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RETURN.

BRITISH MUSEUM.

Ordered, by The House of Commons, *to be Printed,*
9 *July* 1891.

LONDON:
PRINTED FOR HER MAJESTY'S STATIONERY OFFICE,
BY THE HANSARD PUBLISHING UNION, LIMITED.

And to be purchased, either directly or through any Bookseller, from
EYRE AND SPOTTISWOODE, East Harding Street, Fleet Street, E.C.,
and 32, Abingdon Street, Westminster, S.W.; or
JOHN MENZIES & Co., 12, Hanover Street, Edinburgh, and
88 and 90, West Nile Street, Glasgow; or
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322. [*Price* 8 *d.*] *Under* 9 *oz.*

H.—21. 7. 91.

BRITISH MUSEUM.

RETURN to an Order of the Honourable the House of Commons, dated 6 *May* 1891 ;—*for*,

ACCOUNT "of the INCOME and EXPENDITURE of the BRITISH MUSEUM (SPECIAL TRUST FUNDS) for the Year ending the 31st day of March 1891 : "

"And, RETURN of the Number of PERSONS admitted to visit the MUSEUM and the BRITISH MUSEUM (NATURAL HISTORY) in each Year from 1885 to 1890, both Years inclusive; together with a STATEMENT of the PROGRESS made in the ARRANGEMENT and DESCRIPTION of the COLLECTIONS, and an ACCOUNT of OBJECTS added to them, in the Year 1890."

Treasury Chambers,
8 *July* 1891.

W. L. JACKSON.

(*Sir John Lubbock.*)

Ordered, by The House of Commons, *to be Printed*,
9 *July* 1891.

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and 32, ABINGDON STREET, WESTMINSTER, S.W.; or
JOHN MENZIES & Co., 12. HANOVER STREET, EDINBURGH, and
88 and 90, WEST NILE STREET, GLASGOW; or
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322.

CONTENTS.

Page

I.—ACCOUNT OF THE RECEIPT AND EXPENDITURE OF THE BRIDGEWATER FUND, for the Year ended 31st March 1891 - - - - - - - - - - - - - 4

II.—ACCOUNT OF THE FARNBOROUGH FUND, for the same period - - - - - - - - - - - - - 4

III.—ACCOUNT OF THE SWINEY FUND, for the same period - 6

IV.—ACCOUNT OF THE BIRCH FUND, for the same period - - - 6

V.—RETURN of the Number of PERSONS admitted to visit the BRITISH MUSEUM and the BRITISH MUSEUM (NATURAL HISTORY) in each Year from 1885 to 1890, both Years inclusive - - - - - - - - - - - - - 8

VI.—STATEMENT of GENERAL PROGRESS at the MUSEUM (Bloomsbury) - - - - - - - - - - - - - 11

VII.—STATEMENT of PROGRESS made in the ARRANGEMENT and DESCRIPTION of the COLLECTIONS, and ACCOUNT of OBJECTS added to them, in the Year 1890 (Bloomsbury) - - - 14

VII.—Ditto - - - ditto - - - (Natural History) - - 89

I.—AN ACCOUNT of the RECEIPT AND EXPENDITURE of the

		Cash.	Stock, 2¾ °/₀ Consols.
		£. s. d.	£. s. d.
To BALANCE on the 1st April 1890 - - -		92 14 11	13,150 13 10
- DIVIDENDS received on 13,150 *l.* 13 *s.* 10 *d.* Stock in 2¾ per Cent. Consols, bequeathed by the Earl of Bridgewater, viz.:			
	£. s. d.		
On the 8th April 1890 -	90 8 2		
„ 7th July 1890 -	90 8 3		
„ 6th October 1890 -	90 8 2		
„ 5th January 1891 -	90 8 3		
		361 12 10	
- RENT OF A REAL ESTATE, bequeathed by the Earl of Bridgewater (less charges of collection and repairs) - - - -		23 6 2	
	£.	477 13 11	13,150 13 10

II.—AN ACCOUNT of the RECEIPT AND EXPENDITURE of the

		Cash.	Stock, 2¾ °/₀ Consols.
		£. s. d.	£. s. d.
To BALANCE on the 1st April 1890 - - -		29 19 1	2,879 10 7
- DIVIDENDS received on 2,879 *l.* 10 *s.* 7 *d.* Stock in 2¾ per Cent. Consols, bequeathed by Lord Farnborough viz.:			
	£. s. d.		
On the 8th April 1890 -	19 15 11		
„ 7th July 1890 -	19 15 11		
„ 6th October 1890 -	19 15 11		
„ 5th January 1891 -	19 15 11		
		79 3 8	
	£.	109 2 9	2,879 10 7

BRIDGEWATER FUND, from the 1st April 1890 to the 31st March 1891.

	Cash.	Stock, 2¾ °/₀ Consols.
	£. s. d.	£. s. d.
By Payment of one Year's Salary to the Egerton Librarian - - - - - - -	210 - -	
- Payments for the Purchase of Manuscripts	165 - -	
- Balances on the 31st March 1891, carried to Account for 1891-92 - - -	102 13 11	13,150 13 10
£.	477 13 11	13,150 13 10

FARNBOROUGH FUND, from the 1st April 1890 to the 31st March 1891.

	Cash.	Stock, 2¾ °/₀ Consols.
	£. s. d.	£. s. d.
By Payments for the Purchase of Manuscripts -	57 11 6	
- Balances on the 31st March 1891, carried to Account for 1891-92 - - -	51 11 3	2,879 10 7
£.	109 2 9	2,879 10 7

III.—AN ACCOUNT of the RECEIPTS AND EXPENDITURE of the

			Cash.	Stock, $2\frac{3}{4}$ °/₀ Consols.
			£. s. d.	£. s. d.
To BALANCE on the 1st April 1890 - - -			96 15 –	5,583 1 6
– DIVIDENDS received on 5,583 *l.* 1 *s.* 6 *d.* Stock in $2\frac{3}{4}$ per Cent. Consols, bequeathed by Dr. George Swiney for Lectures on Geology, viz.:				
On the 8th April 1890 -	£. 38 7 8			
„ 7th July 1890 -	38 7 8			
„ 6th October 1890	38 7 8			
„ 5th January 1891	38 7 8		153 10 8	
		£.	250 5 8	5,583 1 6

IV.—AN ACCOUNT of the RECEIPTS AND EXPENDITURE of the

			Cash.	Stock, $2\frac{3}{4}$ °/₀ Consols.
			£. s. d.	£. s. d.
To BALANCE on the 1st April 1890 - - -			- -	565 3 9
– DIVIDENDS received on 565 *l.* 3 *s.* 9 *d.* Stock in 3 per Cent. Consols, bequeathed by Dr. Birch in 1766, for the three Under Librarians of the British Museum, viz.:				
On the 8th April 1890 -	£. 3 17 9			
„ 7th July 1890 -	3 17 8			
„ 6th October 1890 -	3 17 9			
„ 5th January 1891	3 17 8		15 10 10	
		£.	15 10 10	565 3 9

British Museum,
1891.

SWINEY FUND, from the 1st April 1890 to the 31st March 1891.

	Cash.	Stock, 2¾ °/₀ Consols.
	£. s. d.	£. s. d.
By Salary paid to Dr. H. Alleyne Nicholson for Lectures on Geology in 1890 - - -	150 – –	
– Balances on the 31st March 1891, carried to Account for 1891-92 - - -	100 5 8	5,583 1 6
£.	250 5 8	5,583 1 6

BIRCH FUND, from the 1st April 1890 to the 31st March 1891.

	Cash.	Stock, 2¾ °/₀ Consols.
	£. s. d.	£. s. d.
By Legacy paid to the three Under Librarians of the British Museum, whose offices existed in 1766, viz., the Keepers of the Departments of Printed Books, Manuscripts, and Natural History - - -	15 10 10	
– Balance on the 31st March 1891, carried to Account for 1891-92 - - -	- -	565 3 9
£.	15 10 10	565 3 9

E. Maunde Thompson,
Principal Librarian and Secretary.

V.—NUMBER of PERSONS ADMITTED to VISIT the BRITISH MUSEUM and the BRITISH MUSEUM (NATURAL HISTORY).

A.—PERSONS admitted to View the GENERAL COLLECTIONS in the British Museum in each Year from 1885 to 1890, both Years inclusive.

	1885.	1886.	1887.	1888.	1889.	1890.	
						Day.	Evening.
	No.	No.	No.	No.	No.	No.	No.
JANUARY	48,118	31,053	33,176	37,472	35,360	35,013	—
FEBRUARY	30,185	27,847	27,415	33,311	34,622	31,876	15,230
MARCH	36,595	39,107	33,412	40,136	37,366	32,092	9,535
APRIL	51,118	45,833	46,414	54,698	52,716	54,141	7,442
MAY	56,981	58,940	50,493	46,922	43,509	43,101	6,212
JUNE	53,731	48,479	44,628	42,108	53,792	34,318	4,963
JULY	57,681	48,725	52,223	45,739	46,964	45,036	4,712
AUGUST	70,497	63,234	58,819	53,793	51,359	49,710	3,543
SEPTEMBER	58,369	45,178	40,508	40,674	37,681	39,429	4,301
OCTOBER	51,841	38,167	37,078	39,208	40,427	36,061	4,431
NOVEMBER	30,883	28,667	31,390	29,930	34,559	31,105	3,629
DECEMBER	38,661	29,663	45,700	34,519	36,182	31,951	2,341
Total (Number of Persons admitted to view the General Collections)	584,660	504,893	501,256	498,510	504,537	463,833	66,339
						530,172	

NUMBER OF VISITS TO PARTICULAR DEPARTMENTS.	1885.	1886.	1887.	1888.	1889.	1890.
To the Reading Room, for the purpose of research and reference	159,340	176,893	182,778	188,432	190,025	197,823
To the Newspaper Room, for the purpose of research	1,452	9,152	11,802	14,499	14,524	15,216
To the Department of Maps, for the purpose of special research	91	98	169	101	196	178
To the Department of Manuscripts, for the purpose of examining Select and other Manuscripts	2,933	4,228	5,749	8,873	8,817	7,805
To the Galleries of Sculpture, for the purpose of study	15,244	11,755	10,341	10,687	13,122	11,686
To the Coin and Medal Room, for the purpose of study, &c.	1,866	2,013	1,952	2,003	2,108	1,988
To the Gold Ornament and Gem Room	16,186	15,367	11,719	15,138	20,747	19,128
To the Print Room, for the purpose of study	4,096	5,565	5,511	5,851	4,850	5,220
TOTAL	201,208	225,071	230,021	245,584	254,389	259,044

The Christy Collection was removed from 103, Victoria-street, to the British Museum, during the year 1883.

The Exhibition Galleries of the British Museum, Bloomsbury (including the Departments of Printed Books and Maps, Manuscripts, Prints and Drawings, Egyptian and Assyrian Antiquities, Greek and Roman Antiquities, British and Mediæval Antiquities and Ethnography, and Coins and Medals), are open to the public, free, as under :—

MONDAY, WEDNESDAY, FRIDAY, and SATURDAY—The whole of the Galleries.

TUESDAY and THURSDAY—The whole of the Galleries, except British and Mediæval Antiquities and Ethnography and rooms in the "White" Wing.

The Hours of Admission are from—

10 a.m. till 4 p.m. in January, February, November, December.

10 a.m. till 5 p.m. in March, September, October.

10 a.m. till 6 p.m. in April, May, June, July, August.

Also on—

MONDAY, WEDNESDAY, and FRIDAY EVENINGS (8 to 10 p.m.)—Exhibitions of Manuscripts, Books, Prints and Drawings, Coins and Medals, Porcelain, Glass, Majolica, Prehistoric, Mediæval, and Ethnographical Collections, &c.

TUESDAY, THURSDAY, and SATURDAY EVENINGS (8 to 10 p.m.)—Egyptian, Assyrian, Greek, and Roman Galleries, and Prehistoric Saloon.

The Museum is closed on Sundays, Good Friday, Christmas-day, and days of Public Fast or Thanksgiving.

Persons applying for the purpose of research and reference are admitted to the Reading Room under certain regulations every day, except the days specified below, in the months of January, February, March, April, September, October, November, and December, from 9 a.m. till 8 p,m.; and in the months of May, June, July, and August, from 9 till 7. The Newspaper Room is open, under similar regulations, from 10 a.m. until ten minutes before the hour of general closing.

The Reading Room, Newspaper Room, and Students' Room, Department of Manuscripts are closed on Sundays, Good Friday, Christmas-day, and the first four week-days in March and September.

Students are admitted generally to the several Departments from 10 till 4 o'clock; to the Sculpture Galleries from 9 o'clock till the hour of general closing; and to the Print Room from 10 till 4 o'clock from January to March, and from August to December, and from 10 till 5 from April to July.

British Museum, 30 May, 1891. } *E. Maunde Thompson*, Principal Librarian and Secretary.

B.—Persons admitted to view the Collections in the British Museum (Natural History), Cromwell Road, in each Year from 1885 to 1890, inclusive.

	1885:	1886:	1887:	1888:	1889:	1890:
January	31,093	27,253	24,529	28,095	24,699	24,273
February	24,200	23,916	21,560	22,093	20,391	17,937
March	28,339	27,849	27,431	32,622	30,294	22,439
April	62,548	40,080	40,207	47,926	49,262	45,309
May	46,295	31,416	36,126	37,822	31,866	38,034
June	29,036	35,301	27,742	27,967	42,201	32,381
July	29,374	31,331	27,114	33,758	28,485	29,820
August	45,134	52,525	36,584	43,073	40,138	40,434
September	34,977	35,540	29,817	27,404	25,262	29,329
October	35,392	33,122	29,424	22,225	23,264	28,138
November	23,878	22,936	23,170	21,491	20,319	23,144
December	31,084	21,473	34,474	28,326	24,865	24,444
Total Number of Persons admitted to view the Natural History Collections (including Students)	421,350	382,742	358,178	372,802	361,046	355,682

Number of Visits to particular Departments, for the purpose of Study—	1884:	1885:	1886:	1887:	1888:	1889:	1890:
Zoology	6,818	8,313	8,372	8,955	8,797	8,360	9,034
Geology	1,991	1,959	2,466	3,290	3,111	3,339	3,771
Mineralogy	651	626	761	620	733	683	623
Botany	993	1,105	1,026	1,483	2,214	1,344	1,244
Total	10,453	12,003	12,625	14,348	14,855	13,726	14,672

The Exhibition Galleries of the British Museum (Natural History), Cromwell-road, South Kensington, including the Departments of Zoology, Geology and Palæontology, Mineralogy, and Botany, are open to the public, free, every day of the week, except Sunday, and except Good Friday and Christmas-day, and days of Public Fast or Thanksgiving.

The Hours of Admission are from—

10 a.m. till 4 p.m. in January, November and December.
10 a.m. till 4.30 p.m. in February.
10 a.m. till 5 p.m. in October.
10 a.m. till 5.30 p.m. in March and September.
10 a.m. till 6 p.m. in April, May, June, July and August.
10 a.m. till 8 p.m. on Monday and Saturday only, from 1st May to the middle of July.
10 a.m. till 7 p.m. on Monday and Saturday only, from the middle of July to the end of August.

Persons are admitted daily to study in these Departments from 10 till 4 o'clock.

British Museum (Natural History),
1 January 1891.

W. H. Flower,
Director

VI.—General Progress at the Museum, Bloomsbury.

It is to be regretted that the number of visitors to the Museum during the day-time has seriously decreased during the past year, the total being only 463,833. The grand total is, however, raised to 530,172, by the additional number of 66,339 persons, who visited the Museum in the evenings between the hours of 8 and 10 p.m. The average daily number of visitors in the day-time was 1,491; that of visitors in the evening was 242.

The building of new rooms for the better accommodation of the Department of Coins and Medals has been commenced on the western side of the Museum.

The Babylonian and Assyrian Room in the Northern Gallery has been re-arranged, the smaller Babylonian and Assyrian antiquities formerly exhibited in other parts of the Museum having been removed thither and classified.

The remains of the Nereid Monument from Xanthos, in Lycia, which were exhibited in the room built in extension of the Entrance Hall, have been removed thence, and have been arranged in the room formerly occupied by the Phigaleian marbles. Here they are seen to great advantage: the elevation of one end of the monument being restored, and the friezes being disposed round the walls, and the statues on the floor, of the room.

The room vacated by the Nereid Monument will in future be known as the Room of Greek and Latin Inscriptions. Progress has already been made in transferring thither the inscriptions hitherto kept in the basement.

The arrangement of the Fourth Vase Room has been completed.

The walls of the Elgin Room have been re-painted.

The arrangement of the American Room has been completed as far as the present accommodation will admit. All the archæological remains from the American continent have been brought together and arranged geographically.

The exhibition of Printed Books in the King's Library has been augmented and re-arranged; and the Exhibition of Illuminated MSS. has been withdrawn from the King's Library and has been re-arranged in the Grenville Library.

The number of persons making use of the Reading Room has continued to increase during the past year. The number of visits to the room has been 197,823, as against 190,025 in

1889. The average daily number of readers has thus been 652. The average numbers in the room counted at certain hours of the afternoon have been :—

4 P.M.	5 P.M.	6 P.M.	6.30 P.M.	7 P.M.	7.30 P.M.
364	268	194	122	130	94

Although the increasing number of readers occasionally taxes the sitting accommodation of the room to its utmost limits, the better enforcement of regulations regarding the retention of seats has reduced any inconvenience to a minimum, and normally the accommodation is found amply sufficient for the demand.

The number of volumes supplied to readers was 1,226,126, as against 1,211,420 in 1889.

The system of ventilation of the Reading Room has been thoroughly overhauled and put in good working order.

Presentations of Museum publications have been made to a large number of free public libraries, local museums, and art schools throughout the United Kingdom,

The distribution of duplicate printed books, pamphlets, &c., has been completed, thirty-seven libraries throughout the United Kingdom having participated.

The following are among the principal donations to the Museum :—

From Lord Savile, G.C.B, an archaic terra-cotta antefix, from Lanuvium.

From the Earl of Derby, K.G., a choice series of stone and flint implements from Denmark, &c.

From the Earl of Lonsdale, a large ethnographical collection from North-West and Arctic America.

From the Hon. Robert Meade, C.B., choice specimens of Chinese egg-shell and other porcelain.

From J. E. Nightingale, Esq., specimens of Bristol and Plymouth porcelain.

From Lady Charlotte Schreiber, watches and mediæval antiquities.

From A. W. Franks, Esq., C.B., specimens of porcelain of different countries, in augmentation of the Franks collection, and various antiquities.

From Mrs. Hanna Streatfeild, collections for a history of Kent, formed by the Rev. Thomas Streatfield and the Rev. L. B. Larking.

From Miss Elizabeth Moreton, correspondence and papers of the family of Moreton of Moreton, co, Chester, *temp.* Henry VII.

Henry VII.—1765; with muniments of the same family *tempp.* Henry VII.—George II.

From the Earl of Crawford, Fowler of Winterton's engravings of antiquities in Lincolnshire, &c., 1799–1829.

The following are the publications issued by the Departments at Bloomsbury during the year, viz.:—

A new edition of the General Guide to the Exhibition Galleries of the British Museum, Bloomsbury, with maps and plans, edited by the Principal Librarian.

Continuation of the general Catalogue of the Library, folio, 21 parts, viz.:—Homer-Horatius; Ireland-Itzstein; Ivaldi-Izzut; K-Kde; Ke-Kenzie; Keogh-Kinns; Kino-Kniewel; Kinga-Kolettes; Kolff-Krecsmery; Kreander-Kznac; L-La Cropte de Bou; La Crose-Lallerstedt; Lalli-Langans; Langbaine-Larreynaga; Larriategui-Laundy; Laune-Leay; Leb-Le Fessier; Le Fever-Lemalliard; Leman-Le Prestre; Le Prêtre-Levakousky; Victoria-Virgilius.

Catalogues of accessions to the Library, folio, 25 parts.

The Book of the Dead: Facsimile of the Papyrus of Ani in the British Museum, folio; edited by P. le Page Renouf, Keeper of the Department of Egyptian and Assyrian Antiquities.

Ancient Greek Inscriptions in the British Museum, Part III., Section II, (Ephesos), folio; by the Rev. E. L. Hicks.

Aristotle on the Constitution of Athens (two editions), with facsimile; edited by F. G. Kenyon, Assistant, Departpartment of Manuscripts.

Catalogue of Greek Coins, Pontus, Paphlagonia, &c., 8vo.; by Warwick Wroth, Assistant, Department of Coins.

Catalogue of Oriental Coins, Vol. IX. (additions to Vols. I.–IV.) 8vo.; by Stanley Lane Poole.

Reproductions of Prints, new series, Part III. (German, Dutch, and Italian); edited by Sidney Colvin, Keeper of the Department of Prints and Drawings.

Autogravure, from the North Frieze of the Parthenon (group of horsemen).

Autogravure, from the Pediment of the Parthenon (part of group called the Three Fates).

Autogravure from a bronze head of Aphrodite.

British Museum,
30 May 1891.

E. Maunde Thompson,
Principal Librarian and Secretary.

VII.—PROGRESS made in the ARRANGEMENT and CATALOGUING OF COLLECTIONS, AND ADDITIONS MADE TO THEM, in the Year 1890. (Bloomsbury.)

DEPARTMENT OF PRINTED BOOKS.

I. *Arrangement.*—The works added to the collection during the past year have, as far as possible, been placed on the shelves of the Library according to the system of classification adopted in the Museum. The press-marks, indicating their respective localities, have been marked on the inside, and affixed to the back of each volume; also on the title-slips. The total number of these press-marks amounts to 103,639; in addition to which 27,037 press-marks have been altered, in consequence of changes and re-arrangements carried out in the Library; 37,316 labels have been affixed to books and volumes of newspapers, and 80,793 obliterated labels have been renewed. The process of attaching third-marks to the books in the New Library, with the view of accelerating their delivery to readers, has been continued; 23,688 books have been thus marked during the year, and the corresponding alterations have been carried out in the Reading-room and Hand Catalogues; and 10,389 volumes of country newspapers have been numbered, and for London and country newspapers 22,601 index-slips have been written.

The number of stamps impressed upon articles received is altogether 391,723, of which 10,858 were upon duplicates transferred to other libraries.

II. *Cataloguing.*—(*a.*) 57,513 title-slips have been written (the term title-slip applying equally to a main title and to a cross reference). Of these 40,837 were written for the General Catalogue, and 16,676 for the separate Catalogues of Music and the Oriental Collections.

(*b.*) *Printing.*—44,716 titles and 251 index-slips have been prepared for printing during the year, upon the plan announced in the Statement of General Administration for 1879, and 42,836 titles and 251 index-slips have been printed off.

Progress has also been made in printing the whole Catalogue in alphabetical sequence from the beginning. With the exception of the headings "Bible" (begun), "England," "France," "Great Britain," Liturgies, and a few others, the Catalogue was, at the end of 1890, either printed or at press up to the heading "Londolianus.'

One hundred and twenty-seven manuscript volumes have been printed during the past year, forming 21 printed parts.

(*c.*) *Incorporation.* — *General Catalogue.*—45,280 title-slips and 246 index-slips have been incorporated into each copy

copy of this Catalogue. This incorporation has rendered it necessary, in order to maintain the alphabetical arrangement, to remove and re-insert 26,090 title-slips in each copy, and to add to each copy 318 new leaves to receive them, while, in the preparation of the manuscript volumes for printing, it has been necessary to remove and re-insert 42,351 title-slips in one copy only, and to add thereto 305 new leaves.

The number of new entries made in the Hand-Catalogue of Periodical Publications was 368, in that of Academies, 254, and in the Hand-Catalogues of London and country Newspapers 1,765 and 20,836 respectively.

The system of fortnightly incorporation, introduced in 1889 and described in the Annual Report for that year, has been carried out with perfect regularity during the past year.

(*d.*) *Music Catalogue.*—11,387 title-slips have been written for this Catalogue, and 17,963 title-slips have been incorporated into each copy of it. This incorporation has rendered it necessary to remove and re-insert 22,279 title-slips in each copy, and to add to each copy 119 new leaves.

(*e.*) *Hebrew Catalogue.*—302 title-slips have been written for additions to the Hebrew Library, and 12½ sheets have been printed for the supplementary catalogue now in progress.

(*f.*) *Oriental Catalogues.*—The number of title-slips written has been 3,870, of which 768 were for Sanskrit and Pali books; 2,402 for Arabic and Persian; 131 for Turkish, Armenian, Syriac, &c.; 24 for Tamil and Telugu; and 545 for Bengali, Hindustani, Gujurati, &c. Four sheets of index have been printed for the Catalogue of Marathi books, completing the work; eight sheets have been printed for the Catalogue of Arabic books; two sheets for the Catalogue of Sanskrit books; and one sheet for that of Gujurati books. Five pages of accessions to the Catalogue of Bengali books have also been printed.

(*g.*) *Japanese Catalogue.*—1,117 Japanese title-slips have been written and 12½ sheets have been printed for this Catalogue.

(*h.*) *Hand-Catalogue.*—For this Catalogue, in which the title-slips mounted on cards are arranged in order of press-marks, 12,500 have been arranged, and 2,500 partially arranged preparatory to incorporation; and 119,560 have been incorporated.

(*i.*) *Catalogues of Books of Reference in the Reading Room.*—The additions and alterations in each of the interleaved copies of the Catalogue of Books of Reference in the Reading Room, which are requisite to record the changes in this collection by the addition of new works, and the exchange of old for new editions, have been made. The number of

additions to each of the interleaved copies of the Catalogue of this collection was 66.

The collection of books in the galleries of the Reading Room has continued to receive additions by the incorporation of new works of interest and importance, and the substitution of new for older editions. The number of additions to each of the interleaved copies of the Catalogue of this collection was 235.

The Subject-Index of the modern works added to the Library in the years 1880–1885 has been kept up to date by the Superintendent of the Reading Room, and a new series, covering the years 1886–1890, is being prepared for the press.

III. *Binding.*—The number of volumes and pamphlets sent to be bound in the course of the year was 12,191, including 1,851 volumes of newspapers. In consequence of the frequent adoption of the plan of binding two or more volumes in one, the total number of bound volumes returned was 7,443; in addition to which 560 pamphlets have been separately bound. 1,183 volumes have been repaired.

IV. *Reading Room Service.*—The number of volumes returned to the General Library from use in the Reading Room was 764,014; to the Royal Library, 14,584; to the Grenville Library, 1,006; and to the presses in which books are kept from day to day for the use of readers, 446,522; making a total amount of 1,226,126 volumes supplied to readers during the year. The number of readers during the year has been 197,823, giving an average of about 652 daily; and an average of over six volumes daily for each reader, not reckoning those taken from the shelves of the Reading Room.

Newspaper Room.—The total number of readers during the year has been 15,216, giving a daily average of 50. The number of volumes replaced after use was 51,097, giving a daily average of about three volumes to each reader.

V. *Duplicates.*—The distribution of duplicate books has been completed. The following libraries, in addition to those enumerated in the annual report for 1889, have now participated in this donation, viz.: the Libraries of Trinity College, Dublin, and of the Corporation of The Church House, and the Free Libraries at Lambeth, Kensington, Wandsworth, Croydon, Portsmouth, Plymouth, Barnstaple, Hereford, Harrogate, Southport, Oldham, Wigan, Bolton, Sunderland, Middlesborough, Rochdale, Richmond (Surrey), and Stoke Newington. As stated above, 10,858 transfer stamps have been impressed upon these duplicates.

VI. *Additions.*—(*a.*) 35,728 volumes and pamphlets (including 1,096 books of music) have been added to the Library in the

the course of the year, of which 4,008 were presented, 10,559 received in pursuance of the laws of English copyright, 11 received under the international copyright treaties, 482 by international exchange, and 20,668 acquired by purchase.

(*b.*) 62,091 parts of volumes (or separate numbers of periodical publications, and of works in progress) have also been added, of which 1,035 were presented, 32,736 received in pursuance of the laws of English copyright, 13 were received under the international copyright treaties, 359 by international exchange, and 27,948 acquired by purchase.

(*c.*) The number of sets of newspapers published in the United Kingdom, and received under the provisions of the Copyright Act during the past year has been 2,472, comprising 170,838 single numbers. 647 of these newspapers were published in London and its suburbs, 1,420 in other parts of England and Wales and the Channel Islands, 232 in Scotland, and 173 in Ireland. 26 volumes and 2,200 single numbers of old newspapers, belonging to six different sets, have been purchased. 70 volumes and 1,353 single numbers of foreign and colonial newspapers, belonging to 97 different sets, have been presented; and 22 volumes and 18,591 single numbers of foreign and colonial newspapers, belonging to 70 different sets, have been purchased.

(*d.*) 2,784 pieces of Music have been acquired by copyright, each piece complete in itself. Of these 2,749 were received by English, and 35 by international copyright.

(*e.*) The number of distinct works comprised in the 35,728 volumes and pamphlets, and the 62,091 parts of volumes already mentioned, amounts, as nearly as can be ascertained, to 32,010. Of these, 3,117 were presented, 11,778 acquired by English, and 45 by international copyright, 247 by international exchange, and 16,823 by purchase.

(*f.*) Exclusive of the title-pages and other fragments from the Bagford collection, received by exchange from the Manuscript Department, and described under the head of Special Acquisitions, 3,225 articles have been received in the Department not included in the foregoing paragraphs, comprising Broadsides, Parliamentary Papers, and other miscellaneous items. The addition of this number to those already given produces a total of 106,473 articles received in the Department.

VII. *Exhibition of Books in King's Library.*—The account of Exhibited Books contained in the General Guide to the Exhibition Galleries has been entirely re-written. The showcases containing block-books have been removed from the Grenville Library to the King's Library. The exhibition of printed books and bindings in the King's Library has been improved by re-arrangement, by the thorough revision of its

contents, and by the introduction of additional show-cases. A new edition of the Departmental Guide has been prepared, and is ready for press.

VIII. *Acquisitions of Special Interest.*—The additions to the Department of Printed Books during the past year have been of unusual interest and importance. The most remarkable, which alone would have made 1890 a memorable year in the history of the Library, is an unique copy of a production of Caxton's press, the "Sex quam elegantissimæ epistolæ," which passed between Pope Sixtus IV. and the Republic of Venice, from December 1482 to February 1483, and were edited in England by Petrus Carmelianus, an Italian ecclesiastic and man of letters domiciled in this country, some time in the spring or summer of the latter year. The book was purchased from the possessors of the Hecht-Heine Library at Halberstadt, where it was discovered in 1874 by Dr. G. Könnecke, Archivist of Marburg. Up to that time it had been unknown to bibliographers. It is an unique work in every respect, being entirely foreign to the general literary character of Caxton's productions, and perhaps the first independent publication of diplomatic correspondence ever made. By its acquisition the number of Caxton's known publications not to be found in his own country has been reduced to two.

Next in bibliographical importance are to be named the acquisitions of rare Spanish books made at the sale of the second portion of the library of Baron Seillière, which took place in Paris on May 5–14. Three of these are among the rarest treasures of Spanish literature. One, the romance of the Caballero Platir, Valladolid, 1533, is believed to be unique. Cervantes tells us that a copy perished in the burning of Don Quixote's library. The other two, if less exceptional as curiosities, are of greater literary interest; the Catalan version of Ovid's Metamorphoses, by Francisco Alegre, Barcelona, 1494, being an invaluable monument of the language; and the Cancionero Espiritual of Bishop Ambrosio Montesinos (Seville, 1537, but composed nearly half a century earlier), being a most characteristic example of the national peculiarities of Spanish poetry, exceedingly rare in all editions, and unique in this. No edition was previously in the Museum. On the same occasion were obtained, with others of much interest, the following books, some, perhaps, no longer to be found in Spain: Marineo, Coronica de Aragon, Zaragoza, 1499, the first Spanish translation; Coronica del sancto rey Don Fernando tercero, Seville, 1526; Vives, Instruccion de la Mujer Christiana, Valencia, 1528; Perez de Chinchon, Anti Alcorano, Valencia, 1532; Villalobos, Problemas, Zaragoza, 1544; Ortega, Tratado de Arismetica y de Geometria, Seville, 1542. All these books, except the first, are either unknown to or unseen by Salva in the editions now purchased. At the same time was acquired an exquisite copy of the

the first edition of Le Macon's French translation of the Decameron, Paris, 1545.

The past year has also been remarkable for acquisitions of celebrated Bibles, including the Egenolff German Bible, Frankfort, 1534, of great rarity, and especially interesting from being adorned with the woodcuts from which the illustrations of the Coverdale Bible of 1535 were imitated; and the Acts and Canonical Epistles, and the Psalter, translated into White Russian, and printed at Wilna in 1525. With the exception of some portions of the Old Testament previously published by Skorina at Prague, and perhaps a version of St. Luke, these are the first translations of the Scriptures into Russian; they are also the first Russian books printed within the present limits of the Empire. To these are to be added an unique copy of an edition of Calvin's New Testament, printed at Geneva in 1551; a vellum copy, unique in this state, of Luther's translation of the Psalms, Leipsic, 1540; the New Testament in the Ober Engadine dialect of Romansch, 1560; the Malagasy Bible, Antananarivo, 1830-35, perfect copies of which are exceedingly scarce, the greater part of the impression having been destroyed in the persecution, and the few copies which escaped having been divided into small portions for more effectual concealment; Daniel Elzevir's family Bible, with entries of births, marriages, and deaths, on large paper, and splendidly bound by Magnus; Coverdale's version of the Psalms, printed by James Nycolson before 1538; his New Testament, probably printed about the same time; and "The Bokés of Solomon," including Wisdom and Ecclesiasticus, printed by William Copland in 1550. The Psalter is unique.

Among other important Liturgies have been acquired the rare Aquileia Breviary of 1481; a superb Carthusian Missal, printed at Ferrara in 1503; the Prague Missal of 1498, printed at Leipsic by Conrad Kachelofen; the Missale Parvum of the Diocese of Cambray, 1507; the Bremen Missal of 1511; the Lyons Missal of 1551; the Expositio Hymnorum secundum usum Sarum, H. Quentell, Cologne, 1496; the Salisbury Horae, printed by Wynkyn de Worde in 1523, of which only one other copy is known, in the library of Salisbury Cathedral; and the first edition of the revised Liturgy of the American Episcopal Church, 1790, containing the alterations necessitated by the adoption of the Constitution of the United States.

Purchases of valuable foreign works in other classes of literature have been numerous and important. They comprise, among others: the "Hedwig's Legende," a book famous both for its text and its illustrations, probably printed at Breslau about the end of the fifteenth century; the statutes of the Suabian League, 1488, a splendid volume, printed privately for the confederates, and probably one of the earliest examples of such printing; the second edition of the German translation of the Belial of Jacobus de Theramo, Augsburg, about 1472; the only known copy of the first

edition is in Earl Spencer's library: three fragments on vellum of the Doctrinale Puerorum of Alexander Gallus, belonging to that class of Dutch "prototypographic" literature whose date has been the subject of so much controversy; an unique copy of the earliest extant German book of divination by cards, printed at Strasburg, probably about 1510; "Ghedicht von den dictmerschen," Lubeck, about 1497, of which only two other copies are known; Catharinae de Suecia Canonizationis Relatio, a very rare book, of which no copy is known to exist in Sweden; "Flores Ciceronis," select phrases with renderings into Italian, probably printed at Florence about 1480, and unknown to bibliographers; an unique vellum copy of Renouard's edition of Eutropius, 1796; Boccaccio's Decameron, Florence, 1516, the first edition with the three spurious Novelle; the poetical romance of Tristan, by Niccolo Agostini, Venice, 1520 and 1521; Rosario della Gloriosa Vergine Maria, Venice, 1534, with numerous beautiful woodcuts; Desconsuelo del illuminado Doctor Raimundo Lullio, Palma, 1540, one of the first books printed in Majorca; Constitutioni della patria di friuoli, Udine, 1484; Simonii Lucensis summa religio, by Marcello Squarcialupi, Cracoviae, 1588, extremely rare; Capo di Ferro, Gran Simulacro dell' Arte della Scherma, Siena, 1611, a beautiful copy of a beautiful book; Buhez Sante Barba dre rym, a Breton miracle play on the life of Saint Barbara, Paris, 1557, unique in this edition,—the second and only other early edition is also only extant in a single copy; Pope Paul the Second's bull proclaiming the celebration of the Jubilee, Ulrich Han, Rome, 1470; Bref de N. S. P. le Pape à M. le M[aréchal] Daun, a satirical pamphlet written by Frederick the Great after the battle of Hochkirchen, so rare that the Academy of Berlin was obliged to have recourse to a reprint when publishing it among Frederick's collected works.

In English literature, the fortunate acquisition of William Blake's first work, the Poetical Sketches, 1783, has made good one of the most mortifying deficiencies in the Library, pointed out as such by Blake's biographer Gilchrist nearly thirty years ago, but, from the excessive rarity of the book, never remedied till now. A similar acquisition has been made in a complete copy of the "Gownsman," one of the two magazines conducted by Thackeray when an undergraduate at Cambridge; its companion, the "Snob," has long been in the Museum. Rarer still are complete sets of the "Mite," "Elf," and "Fairy," miniature magazines chiefly written by Sir A. Panizzi and Lord Langdale, and printed at the latter's private press at Roehampton. Only two such sets are believed to exist; the one now obtained was Lord Langdale's own, and has a MS. key in his handwriting. Interesting acquisitions of like character are the original edition of Gibbon's "Mémoire Justificatif" for Great Britain against France in the American War, and the first edition of Emerson's Nature, Boston, 1836.

In early English literature, besides the rare versions of Scripture

Scripture already mentioned, the Museum has obtained: a collection of year-books of Edward IV. and Edward V., chiefly printed by Pynson, one of which is unique; Tyndale, Obedience of a Christen Man, Hans Luft, 1535; Turner, Comparison betweene the Olde Learninge and the Newe, 1538; Lupsete, Way of Dyenge Well, 1534; Calvin's Catechism, 1563; Naogeorgus, The Popish Kingdome or reigne of Anti-Christ, Englyshed by Barnabe Gouge, 1570; Thomas a Kempis, Of the Imitation of Jesus Christ, 1580; Apuleius, The XI Bookes of the Golden Asse, 1582; The CL. Psalms of David in Prose and Meeter, Edinburgh, 1622. Later in date, but of more literary and bibliographical interest, is one of the only two known copies of Bunyan's metrical "Discourse of the Building of the House of God," 1688. This copy was believed to have been destroyed at the burning of Mr. Offor's library, more than twenty years ago, and has only recently been discovered comparatively uninjured on an examination of the salvage. At the same time was purchased a Belfast edition of another of Bunyan's works, "Sighs from Hell," 1700, so far as known unique in this edition, which is also the first book actually ascertained to have been printed at Belfast.

Several special collections of works on various subjects have been added to the Library. Of these the most important is three large volumes of collections of all descriptions for the history of Rochester, formed by W. B. Rye, Esq., late Keeper of the Printed Books, a native of that city, comprising many original drawings by him. Further are to be mentioned a collection of Japanese artistic, topographical, and other works of interest, which formerly belonged to a Japanese public library; Dutch Psalters and editions of Thomas a Kempis, bought in Holland; a considerable collection of religious books in the Romansch language, and another of modern Icelandic books; a rich one of publications connected with Methodism, ranging over a long period; Quaker tracts and broadsides; Scotch parliamentary reports and pamphlets near the time of the Union; a number of contemporary tracts, chiefly sermons, referring to the events of the Seven Years War; translations of the Waverley novels into Italian, Spanish and Portuguese; South American and Cuban books; and pamphlets relating to the Carlist and Miguelite civil wars.

Among numerous curiosities, the most remarkable is a Chinese bank-note of the Ming Dynasty, about 1368, a comparatively modern specimen for China, but three hundred years older than the first bank-note issued in Europe. No example of any other early issue is known to exist. With this may be mentioned Dutch treaties with Malay sovereigns, printed at Batavia in 1668; and Dutch and English newspapers printed at the Cape of Good Hope in 1804 and 1805, nearly the first examples of printing in these colonies; a Benevolence or letter requiring a loan, addressed to a subject of James I., 1604,

1604, an application common enough in MS., but almost unknown in print; Davila's "Istoria delle guerre Civili di Francia," in a French translation, magnificently bound by Le Gascon for Gaston, Duke of Orleans; "The Irish Post Chaise" third edition, 1813, a guide book used by Shelley on his second visit to Ireland in 1813, with his autograph in two places.

Donations.—The principal donations of the past year have been three sets of colonial newspapers extending from 1877 to 1882, and from 1885 to 1888, two presented by the Royal Colonial Institute and one by the Colonial Office; a very extensive collection of excerpts from newspapers respecting the Special Commission for inquiry into crimes and outrages committed in Ireland, presented by Henry Cunynghame, Esq., Secretary to the Commission; a large collection of postage stamps, presented by Hubert Haes, Esq.; a set of Queensland official documents from 1863 to the present time, presented by the Government of Queensland; and a beautiful edition of the musical compositions of Frederick the Great, presented by H.I.M. the Emperor of Germany.

The other chief additions to the collection of Music have been a copy of the "Delphin de Musica" by Luis de Narbaez, printed at Valladolid in 1538, a book of the utmost rarity; a number of rare part-books of madrigals, canzonets, etc., published at Venice between 1596 and 1608; and a collection of 137 musical works, mostly printed in this country in the 17th and 18th centuries, which includes the scarce first edition of "Parthenia, or the Maydenhead of the First Musick that ever was printed for the Virginalls," generally considered to be the first music printed from copper plates in England.

Acquisition of the Bagford Collection of Titlepages, etc., by exchange with the Department of MSS.

One of the most important additions to the Department during the past year has been effected by exchange. It consists of 73 volumes, and portions of 17 other volumes, containing a large number of titlepages, curious advertisements, proclamations, interesting papers relating to the City of London and the Post Office, book-plates, specimens of paper, and many fragments of books printed by Gutenberg, Caxton, Machlinia, Wynkyn de Worde, Rood, Pynson and other early printers, amounting in all to about 18,500 pieces, forming part of the collection made by John Bagford, known as "the biblioclast," about the beginning of the eighteenth century. These have been transferred from the Department of Manuscripts, where they have hitherto been deposited on account of their having been originally acquired along with the Harleian MSS., in exchange for the manuscripts collected by the Right Hon. Thomas Grenville, which, however, will continue to be kept in the Grenville Library.

R. Garnett.

Sub-Department of Maps, Charts, Plans, and Topographical Drawings.

Professor Douglas has the honour to lay before the Trustees the following Report of Progress made in the work of Cataloguing and Arranging Maps, Charts, etc., in the Sub-Department of Maps, together with an Account of the Accessions made during the year 1890.

I.—*Cataloguing and Arrangement.*

3,874 titles (including both main-titles and cross-references) were written for the Catalogue of Maps and Charts during the year.

Press-marks were given to 523 Maps, Charts, and Atlases, and to 3,276 titles; and 1,738 slips were written for the Hand Catalogue.

2,398 title-slips of Accessions (Parts XIV. and XV.) were sent to the printer, 31¾ sheets of Proof of Accessions were collated, and 34¾ sheets of Proof and Revise were sent for Press and printed off.

363 Maps in 2,576 sheets, and 62 Atlases were sent to be mounted, bound, and lettered; and 75 volumes and 323 Maps have been returned; of the former, 48 were bound, 23 lettered, and 4 repaired; of the latter, 188 were mounted on jaconet and union, and 135 on cards.

67 sheets of the English Admiralty Charts, 323 sheets of the "Hydrographie Française," 4 sheets of the Spanish Admiralty Charts, 34 sheets of the English 1-inch Ordnance Survey, and 108 sheets of the 4 miles to 1 inch Diagrams of the Ordnance Survey have been mounted on union. 42 sheets of the Austrian Survey, on the scale of 1·75,000, have also been mounted on union.

Five vols. of the Ordnance Survey of Towns, and 23 vols. of the 6-inch Ordnance Survey have been bound.

Two Celestial and two Terrestrial 18-inch Globes, belonging to the King's Library, have, with their stands and accessories, been repaired and relacquered.

The stand and meridian of the 4-foot Celestial Globe, by Coronelli, have also been repaired and renovated.

3,981 printed Accession titles (Parts XIII., XIV., and XV.) have been incorporated into three copies of the Printed Catalogue of Maps.

The number of Atlases returned to their shelves from the Reading Room was 1,081, the number of Maps 1,699, making a total of 2,780.

The number of stamps impressed on maps obtained by purchase was 1,311, on those received by presentation 361, making a total of 1,672.

Besides the students who have consulted Maps and Atlases

in the Reading Room during the year, 178 visitors have been admitted to the Map Room for the purpose of geographical research.

II.—*Additions.*

177 Maps in 3,013 sheets, and 19 Atlases, have been received under the Copyright Act. 33 Atlases, and 195 Maps in 704 sheets, have been obtained by purchase; five volumes, and 197 Maps and Charts in 274 sheets, have been presented.

Among the more interesting acquisitions may be mentioned:—

Baron A. E. Nordenskiöld's Facsimile-Atlas to the Early History of Cartography, with reproductions of the most important Maps printed in the XV. and XVI. centuries. Translated from the Swedish original by J. A. Ekelöf and C. R. Markham. Stockholm, 1889. fol. This work is the most important contribution of our time to the study of geography and comparative cartography since the publication of Jomard's "Les Monuments de la Géographie" [1842–62], and Santarem's "Atlas de Mappemondes" in 1842–53.

Theatrum oder Schawplatz des Erdbodems. Durch A. Ortelium. Gielis von Diest, Antorff, 1573. fol. The second German edition of Abr. Ortelius' "Theatrum Orbis Terrarum." No copy of this edition is known to exist in any other public library.

West-Indische Paskaert . . . beschreven door A. Jacobsz. Amstelredam [1621 ?]. Engraved on vellum, by order of the Directors of the Dutch East India Company for the use of their pilots.

Robert K. Douglas.

DEPARTMENT OF MANUSCRIPTS.

1. *Catalogue of Romances.*—The preparation of the second volume has been continued. Tales, fables, and legends in sixty-six MSS. have been described. Descriptions of six MSS. have been copied. Proof-sheets and revises H—R, Vol. II., have been read for press.

2. *Catalogue of Spanish Manuscripts.*—The fourth volume, which will include the Index, is still in progress.

3. *Catalogue of Irish Manuscripts.*—Of the catalogue prepared by Mr. S. H. O'Grady, Sheets Y—2 F have been sent to the printers and revised.

4. *Catalogue of Music.*—A list of composers has been prepared.

5. *Catalogue of Additions.*—The catalogues of Additions for 1888 and 1889 have been copied and transferred sevenfold, bound and issued. The Additional MSS. 33,609–33,945, acquired in the year 1890, have been described and indexed. The Egerton MSS. 2735–2746, acquired in the year 1890, have

have been described and indexed. Two hundred and sixty-four MSS. of the Stowe Collection have been described.

The acquisitions of the year have been entered in the registers.

6. *Catalogues of Charters, Rolls, and Seals.*—The final revision for the Press of the General Index of names and subjects in the several collections of Charters and Rolls acquired before the year 1882 is in progress.

Additional Charters and Rolls 28,416, 28,418–28,560, acquired in 1886; and 33,883–34,269, acquired in 1888, have been described.

Additional Charters and Rolls 36,453–37,377, acquired in 1890, have been arranged and numbered.

The preparation of the fair copy for the second volume of the Catalogue of Seals has been continued. The description of Heraldic Seals has been continued.

Ninety detached seals and casts of seals have been arranged and registered.

A second volume of Index of Seals has been prepared, bound, and issued, comprising the original seals appended to the Stowe Charters, 1–570, acquired in the year 1883; the Egerton Charters 417–589, acquired in the years 1879–1889; and the Additional Charters, 26,108–36,455, acquired in the years 1879–1890; and the detached seals and casts of seals, XLIX. 21–XCIV. 6, acquired in the years 1879–1890.

7. *Catalogue of Papyri.*—Sheets B—M of the Catalogue have been revised.

Papyri CXXVI–CXXXVI. have been prepared for press; and CXXXI, *verso*, (Ἀθηναίων πολιτεία) has been passed through the press.

8. *Arrangement of Papers.*—Additional MSS. 33,611–33,616, 33,820–33,836, 33,878–33,929, and 33,938–33,941 have been arranged.

9. *Class Catalogue.*—The distribution of the slips of the *List of Additions*, 1882–1887, throughout the Class Catalogue has been completed, with the exception of Private and State Letters.

10. *Exhibitions.*—The Illuminated Manuscripts previously exhibited in the King's Library have been transferred to the Grenville Library, and their number has been largely increased. A case of typical bindings from the 10th to the 16th century has also been added. A new Guide to the MSS., Charters, Seals, Illuminations, and Bindings exhibited in the Department and in the Grenville Library has been issued; and that portion of the new General Synopsis lately published which relates to the Department has been re-written.

11. *Binding, etc.*—Three hundred and forty-four MSS. recently acquired and one hundred and twenty-eight MSS. of the old collections have been bound or repaired.

Nine Papyri have been unrolled and mounted.

Eighty-

Eighty-one seals have been repaired.

Twenty-one Catalogues and Registers, and fifty-eight printed Books of Reference, have been bound or repaired.

The re-arrangement of the Harley Charters, with a view of economising the available space in the presses, has been continued.

The Register of Binding has been entered up for the year.

12. *Verification.*—The several collections have been verified by the shelf-lists. Eight new hand-lists and shelf-lists have been prepared.

13. *Miscellaneous.*—Three hundred and seventy-three MSS. have been placed and entered in the hand-lists and shelf-lists.

Nine hundred and twenty-five Charters and Rolls, and ninety Seals have been numbered and placed.

Seven hundred and nineteen MSS., Charters, Rolls, and Printed Books have been stamped, with a total of 11,672 impressions.

Seven hundred and thirty-seven Manuscripts have been folio'd.

The number of Manuscripts delivered in the Reading Room is 3,100; and of those consulted in the Department, 23,328.

The number of Charters, Rolls, and Seals delivered to readers is 1,214.

The number of Students working in the Department during the year is 7,805.

The numbers of Manuscripts and Documents acquired during the year are:—

General Collections of MSS.	346
Rolls and Charters	925
Detached Seals and Casts	90
Papyri	8
Egerton MSS.	12

Among them are:—

'Αθηναίων Πολιτεία: Aristotle on the Constitution of Athens. The unique text of the work, written on the back of four rolls of papyrus, probably at the end of the 1st century. On the other side of the papyrus are a farm-bailiff's accompts, also in Greek, dated in A.D. 78–9.

Portions of papyrus rolls, containing the following works, in Greek:—

(*a.*) The third Epistle of Demosthenes, wanting the end: written in the 2nd or 1st century B.C.

(*b.*) The conclusion of the speech of Hyperides (?) against Philippides; 2nd or 1st century B.C. On the same papyrus as the preceding.

(*c.*) A horoscope; 1st century B.C.

(*d.*) The speech of Isocrates Περὶ Εἰρήνης, the first half being imperfect; 1st century.

(*e.*) A treatise

(*e.*) A treatise on Physics; 1st or 2nd century.
(*f.*) Seven nearly complete poems (hitherto unknown) of Herodas, with several detached fragments; 2nd or 3rd century.
(*g.*) Fragments of Homer's Iliad, Books III. and IV., the latter portion of Book IV. being complete; 3rd century.

Farm accompt in Greek, inscribed by a stilus on the waxed surface of the inner side of one of the covers of a set of wooden tablets; 3rd century.

Portion of a Latin deed, written in a chancery-cursive hand on papyrus, in the 6th or 7th century.

Fragment of the "Lex Wisigothica." Vellum. 8th or 9th century. *Presented by Prof. George Stephens of Copenhagen.*

Two Menæa, or collections of services for Saints' days, in Greek. Vellum. 13th century.

An Evangelistarium, or Lessons from the Gospels, in Greek. Vellum. 14th century.

Commentary of Servius on Virgil, 1464; and a Commentary on Juvenal, 1474. In Latin. *Presented by Prof. George Stephens of Copenhagen.*

Papers relating to Antwerp, including original letters of Alexander Farnese, Prince of Parma; 1521–1585.

Theodori Amideni elogia summorum Pontificum et Cardinalium, 1564–1655. *Presented by Canon R. C. Jenkins.*

Jacobite correspondence and papers, including a letter of Prince James Stuart and a warrant of his son, Cardinal Henry Stuart, 1688–1748.

Letter-book of James Butler, 2nd Duke of Ormonde, with copies of his letters to Prince James Stuart, Card. Alberoni, the Duke of Mar, and others, chiefly written from Spain and relating to a projected invasion of Scotland and other Jacobite Schemes; 4 Nov. 1718—27 Sept. 1719.

Papers relating to the annulment of the marriage of Prince Jérome Bonaparte and Elizabeth Paterson; 1806.

Letter from Robert Browning, the poet, to W. G. Kingsland, on the charge against him of obscurity, etc.; 27 Nov. 1868. *Presented by P. Jenner Weir, Esq.*

Fragment of the original manuscript of Thomas de Quincey's "Daughter of Lebanon"; with letters of Charlotte Brontë (1850), Mark Lemon (1863), and John Leech (1864).

Autograph addresses from John Flaxman, the sculptor, to the Crown and the Royal Academy, on his plan for a monument of National Glory; 1801.

Collections for the History of the Catholic Liturgy by Carlo Baldassare Simelli; 19th century. Seven volumes.

Collections for a History of Kent, by Rev. Thomas Streatfeild, of Chart's Edge (*ob.* 1848), continued by Rev. L. B. Larking (*ob.* 1868). Fifty-two volumes. With a collection of upwards of 500 charters, chiefly relating to Kent, *tempp.* Edward III.—Will. & Mary. *Presented by Mrs. Hanna Streatfeild.*

Parish

Parish Register of Lyminge, co. Kent.; 1544–1679. Vellum, *Presented by Canon R. C. Jenkins.*

Collections for a History of Somersetshire, by William Phelps, Vicar of Meare, etc.; 19th century. Seventeen volumes. *Presented by Mrs. Mary Peny Carr Burton.*

Architectural drawings, plans, etc., of the cathedral and other ancient buildings at Wells, by Francis Thomas Dollman; 19th century.

Collections for the history of Suffolk families, by Joseph J. Muskett; 19th century. Twenty-two volumes.

Register, etc., of the Guild of Bakers of York; 1543–1670.

Genealogical collections relating to families of the name of Baker; 19th century. Six volumes. *Presented by C. E. Baker, Esq.*

Correspondence and papers of the family of Moreton, of Moreton, co. Chester, *temp.* Hen. VII.—1765; the bulk of the letters being from Peter Moreton, British agent at Turin, etc., *tempp.* Jas. I. and Chas. I. Eight volumes. With a collection of about 400 charters, chiefly relating to lands in Cheshire, *tempp.* Hen. III.—Geo. II. *Presented by Miss Elizabeth Moreton.*

Accompts and other papers of the family of Pelham; 18th century. Fifteen volumes. *Presented, in continuation of former donations, by the Earl of Chichester.*

Journals of travels in England and abroad by John Skinner, Rector of Camerton, co. Somerset; 1788–1832. With numerous sketches, drawings of archæological remains, etc. Ninety-eight volumes. *Bequeathed (in* 1839) *by Rev. John Skinner.*

Journal of James P. Morier, Secretary to Sir Gore Ouseley's embassy to Persia; 1810–1815. Six volumes.

Drawings made by Sir John Barrow and others during Lord Macartney's embassy to China in 1792–3. *Presented by Col. John Barrow,* F.R.S.

Sketches by Robert M'Cormick, F.R.C.S., on his voyage to the Arctic Regions in search of Sir John Franklin; 1852–3. *Presented by the same.*

Collections for the history of painting on glass, by Charles Winston, with numerous drawings, etc.; 19th century. Six volumes

Railway-map of Australia, revised to March 1889; 12 ft. by 9 ft. $6\frac{1}{2}$ in. *Presented by the Hon. W. H. Walker, of Victoria.*

Contratenor part of Thomas Wode's Scottish Metrical Psalter of 1566. This part has hitherto been missing, to complete the work, the other three parts being preserved in the University Library at Edinburgh.

A collection of operas, etc., performed at the Lyceum English Opera House between 1816 and 1841. Twenty-one volumes. *Presented by Mrs. Walter Arnold.*

Autograph compositions, from operas, of Michael William Balfe.

Autograph

Autograph instrumental compositions of Franz Liszt; 1870, 1882.

Autograph compositions of Robert Schumann and Wilhelm Richard Wagner.

The additions to the general collections include fifty-nine MSS. which have hitherto belonged to the Department of Printed Books, as part of the Grenville Library. They have now been transferred to the custody of the Keeper of MSS. and catalogued. Among them are :—

The Victories of the Emperor Charles V.: a series of twelve finely executed miniatures, with descriptive quatrains in Spanish, attributed, but no doubt erroneously, to Giulio Clovio. The subjects, with slight variations, are from designs of M. Van Heemskerck, engraved by S. Coornhert and published at Antwerp in 1556.

Æsopic Fables: a collection, known as "Anonymus Neveleti," in Latin elegiacs. Vellum. Written in Italy, 14th century; with a few rude drawings.

Æsopic Fables: a collection, known as "Ysopet-Brionnet," in Latin elegiacs. Vellum. Written in France, 14th century; with rough miniatures.

Æsopic Fables; translated from Greek into Latin by Ermolao Barbaro, of Venice, 1422. Vellum.

Gesta Romanorum: moralised tales in Latin. Vellum. Late 14th century.

Lectionary, with memorials of saints, etc., in Latin. Vellum. Written in Italy, 15th century; with finely illuminated borders. On a fly-leaf are Latin verses, inscribed by John de Giglis, Bishop of Worcester, on presenting the volume to Margaret, Countess of Richmond, mother of Henry VII.

Collections relating to tournaments, including copies of ordinances for the office of Constable of England, *temp.* Rich. II., and of rules for jousts made in 1466, with illustrative drawings in pen and ink. Early 17th century.

An elegiac Latin poem in praise of Henry VII., and celebrating the birth of Arthur, Prince of Wales, in 1486, by Peter Carmelianus, of Brescia, afterwards Latin Secretary and Chaplain to the King. Vellum. With the royal arms, etc., at the beginning.

Treatise by Nicholas Harpsfield on the Divorce of Henry VIII. and Katharine of Aragon; a copy from the original found in the house of Harpsfield's servant. Early 17th century.

Bull of Pope Julius III., 24 Dec. 1554, with other documents relating to the re-union of England to the Church of Rome. Copies, made in 1555.

The anonymous tract against Robert Dudley, Earl of Leicester, printed in 1584, and known as "Leicester's Commonwealth." Late 16th century.

Papers relating to the Spanish Armada of 1588, including the original resolution of a council of war of the English commanders to pursue the Spanish fleet northward as far as the

the Firth of Forth, 1 Aug. 1588, signed by Lords Howard of Effingham, Cumberland and Sheffield, Lord Thomas Howard, Drake, Hawkyns, Hoby and Fenner.

Memoirs by Colin Lindsay, Earl of Balcarres, of the affairs of Scotland relating to the Revolution of 1681, with the names in full, which in the printed edition of 1714 are given under initials only.

"The Discoverye and Recoverye of Ireland": an historical and political treatise composed at the end of 1599, apparently by Captain Thomas Lea, who was executed at Tyburn for treason, Feb. 1601.

"A Declaration," etc., as to the enforcement of English statutes in Ireland before being confirmed by the Irish Parliament: a tract written in 1641, produced in the Parliament at Dublin in 1644, and attributed to Sir R. Bolton, Irish Chancellor, and Patrick Darcy, M.P.

Tracts, in Latin, relating to Ireland, including a Diary of the siege of Duncannon, by the confederate Irish in Jan.—March, 1645, by Bonaventura Barron, Franciscan, and Proposals for the preservation of the Catholic religion in Ireland, by Richard O'Ferall, Capuchin, *circ.* 1658.

Life of Mary Tudor, daughter of Henry VII., by Nicholas Carlisle; 1810.

Poem, by Robert Marston, on the Life and Death of Thomas Grey, Lord Grey de Wilton, who died in the Tower, 9 July, 1614. 17th century.

"Le portrait de . . . . Madame Henriette," etc.: eulogy, in prose and verse, of Henrietta, Duchess of Orleans, daughter of Charles I., by Jean Puget de la Serre; 1661. Finely written on vellum in red and blue, with ornamental headpieces and gilt borders; richly bound.

Memoirs of Maria Mancini-Mazarini, niece of Cardinal Mazarin, in Italian, differing somewhat from the Cologne edition of 1678.

"Vita d'Innocentio XII.": account of the pope and cardinals, and of the system of the papal court, composed for the Marchese Clemente Vitelli, Florentine ambassador at Rome, 1700.

"An exact Description of Essex, by John Norden, 1594"; with map, and dedication to Robert Devereux, Earl of Essex. In the author's autograph. Another autograph, dedicated to the Queen, is in the Museum, and a third, dedicated to Lord Burghley, at Hatfield, the present copy differing considerably from both.

Observations on Antiquities in Ireland, by Thomas Wright, of Durham, 1746; with numerous views and plans.

The Travels of Sir John Mandeville, 1322–1336: the French version. Vellum. Written in France, late in the 14th century.

The Travels of Sir John Mandeville: the common mutilated English version, translated from the French. 15th century.

Copy

Copy of the letter of Amerigo Vespucci to Lorenzo de'Medici on his third voyage to America in 1501. Belonged to Marino Sanuto, the Venetian historian (*ob.* 1535).

Letters, memorials, etc., of Hernando Cortés to the Emperor Charles V.; 1522–1544. Spanish. Certified copies from the originals. 18th century.

Annual Letters from Jesuit missionaries in Japan to their general, Martio Vitelleschi; 1625–1627. An English version made, *circ.* 1632–1642, by Thomas Somerset, son of Henry Somerset, Earl of Worcester, and dedicated to his father; apparently in his own hand.

Description of the Black Sea and the Crimea, by Emidio Dortelli, Prefect of Caffa; 1634. Italian.

Narrative by Count Magalotti of the travels in England of Cosmo III., Grand Duke of Tuscany, when Prince Hereditary, in 1669. Italian. A transcript (19th century) of the original at Florence, with copies of the forty large views, in Indian-ink, of towns, noblemen's seats, etc.

Geographical collections of Alexander Dalrymple, Hydrographer to the East India Company and the Admiralty, including accounts of Madagascar, Mauritius, Ascension, etc. Late 18th century.

Cancionero, or collection of poems in Spanish and Portuguese, by various authors. Early 16th century.

"Dictionnaire François et Congo"; without name of author, but dated 1772.

Edward Scott.

Department of Oriental Manuscripts.

I.—*Cataloguing and Arrangement.*

The Descriptive List of the Oriental MSS. acquired in 1889 has been transcribed for the use of readers. The same MSS. have been entered into the Oriental Register and the Oriental Inventory.

The MSS. acquired in 1890 have been added to the Descriptive List, and entered into the indexes of the printed special catalogues.

Three hundred and twenty-four MSS. have been described in full for the Supplementary Arabic Catalogue.

Fifty-six MSS. have been described in detail for the Hebrew Catalogue, and the description of 15 MSS. have been revised for the same catalogue.

A collection of 53 Syriac and Carshunic MSS. has been arranged, described, and prepared for the binder.

Two hundred and twenty-seven MSS. have been folio'd, labelled, and bound.

II.—*Acquisitions.*

The MSS. acquired in 1890 were 105 in number, viz., 1 by donation and 104 by purchase, as follows :—

Syriac and Carshunic	48
Persian	15
Hebrew	10
Pali	9
Turkish	8
Arabic	6
Cingalese	5
Coptic	1
Hindustani	1
Telugu	1
Chinese	1
TOTAL	105

A valuable acquisition of the year was a collection of Syriac and Carshunic MSS. from Mossul, purchased of the widow of Professor Wm. Wright. They belong to the literature of the Nestorian Church, and include the following remarkable items :—

The Gospels, Acts, and Epistles, according to the Peshito version, in a fine Nestorian character of the 13th century.

Two fine copies of the "Prayer of the Ninevites," a Nestorian Service-book of the 13th century.

The metrical Discourses of Elias, Bishop of Anbar, of the 18th century.

The fourth volume of the homilies of the Priest Emmanuel on the Hexemeron, or Six Days of Creation, of the 16th century.

The works of Gregory Bar-Hebræus, including a unique copy of his metaphysical treatises ; eleven volumes.

The Syriac and Arabic Lexicon of Bar Bahlūl.

Another important acquisition of the year consisted of fourteen Turkish, Persian, and Arabic MSS., the select portion of a collection formed in Turkey by Thomas Fiott Hughes, Esq., late Oriental Secretary to Her Majesty's Embassy at Constantinople. The most remarkable are the following :—

Risālat al-Kushairi, the standard book of Sufism, Arabic, A.H. 601 ; A.D. 1205.

Akhlāk i Nāsiri, the Ethics of Nasīr al-Dīn Tusi, Persian, A.H. 680 ; A.D. 1201.

Yusuf u Zulaikha, the classical poem of Jami ; a beautifully written folio, with miniatures ; 16th century.

The Diwan of the same poet, written by a calligrapher of note, A H. 894 ; A.D. 1489.

The Diwan of Mir Ali Shir Neva'i, in Eastern Turkish, with miniatures ; 15th century.

The

The Diwan of Kazi Burhan ud-Dīn, in archaic Turkish, A.H. 796; A.D. 1394. One of the earliest dated Turkish MSS. known.

The Kabus Nameh, translated into Turkish by Merjumek, A.H. 928; A.D. 1522.

The Diwan of Ahmedi, one of the earliest Turkish poets, A.H. 843; A.D. 1439.

A description of the coasts and harbours of the Mediterranean, with coloured drawings and maps; Turkish; 16th century.

Of ten MSS. secured for the Museum by Mr. Sidney Churchill, Persian Secretary to the British Mission in Teheran, the following are worthy of notice:—

Athar al-Wuzera, lives of celebrated Viziers, by Saif-uddin Haji Ben Nizam; Persian; 16th century.

Rauzat ul-Jannat, a history of Herat; Persian; A.H. 933; A.D. 1526.

Tarikh i Azudi, memoirs of the family of Feth Ali Shah, by one of his sons; Persian.

Khuld i Berin, a history of the reigns of Shah Safi and Shah Abbas II.; Persian.

Ahsan ut-Tevarikh, a history of Shah Isma'il, and of Shah Tahmasp, by Hasan Khan Rumlu; Persian.

The Divan of Ni'met-ullah Vali; Persian; 15th century.

Some valuable Pali and Cingalese MSS., purchased through Mr. E. Gordon Grinlinton, of Newara Eliya, Ceylon, include the following important additions to the Pali collection: Mahabodha-Vansa, Petavatthe-Vannana, Visuddhi Magga Tika, Katchayana's Pali grammar, and Maha Umagga Jataka.

Among MSS. acquired from various other quarters the following deserve a special notice:—

Sefer Sheber Bath ʿAmmi and Kissat Ḥannah, with Arabic commentary; a Hebrew roll; 15th century.

The Diwan of Shalom Ben Joseph Shabezi; Hebrew and Arabic; 18th century.

The first two books of the Mishneh Thorah of Maimonides; Hebrew; 14th century.

The story of Vikrimarkridu, a hero of Telugu mythology; Telugu; presented by Wm. B. Liddell, Esq.

Matmah al-Wajid, Memoirs of Ali al-Muradi, his relatives and contemporaries, by his son Muhammad Khalil; Arabic.

Commentaries of Tashkupri Zadeh and of Radi uddin Ibn al-Hanbali upon Mukaddimat al-Jazariyyah; Arabic; A.H. 991; A.D. 1583.

Kulliyat, or collected poems, of Farid-uddin ʿAttar; Persian, with miniatures; A.H. 877; A.D. 1472.

The number of Oriental MSS. consulted by readers during the year was 1,658, viz., 934 in the Students' Room and 724 in the Reading Room and Library.

The number of separate applications for Oriental MSS. was 928, viz., 423 in the Students' Room and 505 in the Reading Rooms.

Ch. Rieu.

Department of Prints and Drawings.

I.—Arrangement and Cataloguing.

A series of original drawings and sketches by artists of various schools and periods, mostly obtained by purchase, bequest, or gift, within the last six years, has been selected and prepared for public exhibition.

The collections of books of costume and topography, the illustrated copies of Pennant, Clarendon, and Whitelock, the works of Hollar, Chodowiecki, and the Wierixes, and the drawings preserved in imperial solanders, have been transferred to the new cases in the gallery of the Students' Room.

The collection of drawings made by Thomas Heaphy to illustrate his work on the "Likeness of Christ" has been remounted in a volume.

An expanded index of the artists of the Dutch and Flemish schools represented in the Department, showing by what classes of work each is represented, has been prepared, transcribed and sent to press, and the proofs have been corrected.

A similar index of the artists of the German school has been commenced.

The collection of French drawings has been re-arranged in thirty-five solander cases.

The series of French portrait drawings hitherto placed together under the name of Janet has been identified as the work of Clouet and his school, the Dumonstiers, and Lagneau, and re-arranged accordingly.

The etchings by French artists hitherto arranged separately in eight guardbooks have been incorporated with the general collection.

The etchings by Alphonse Legros have been re-arranged in three solander cases.

The etchings by Charles Jacque have been re-arranged, in accordance with Guiffrey's catalogue, in two portfolios.

The supplementary series of etchings by Charles Méryon has been incorporated with the main series, and a preliminary catalogue of the collection has been commenced.

The general collection of the works of English engravers has been permanently re-arranged in twenty-two portfolios.

The works of William Sharp have been re-arranged, according to subjects, in four portfolios.

The

The general collection of English mezzotints has been redistributed through the volumes, the works of Valentine Green and J. Raphael Smith being removed and arranged separately in five guardbooks.

The collection of English theatrical portraits has been examined and revised.

The Moll collection of foreign engraved portraits has been impressed throughout with a special stamp, sorted, classified, and incorporated with the general collection.

The collections of foreign Royal portraits have been examined, sorted and re-arranged, and a MS. catalogue of them is in course of preparation.

The collection of German portraits has been re-arranged in eighteen portfolios, the Swiss, Hungarian, and Bohemian being separated from it, and grouped as distinct collections.

The collections of English satirical prints, foreign lithographs, foreign historical prints, and English and foreign topography have been re-arranged.

The identification of the collection of proof book-illustrations bequeathed by Felix Slade, Esq., has been continued and completed, and four thousand two hundred and ninety-one have been incorporated with the works of the respective engravers.

All books of prints and books of reference, including the duplicate volumes recently transferred from the Department of Printed Books, have been catalogued and placed on the shelves.

The new departmental book-plates have been pasted into the collections of books of prints and books of reference, and the pressmarks have been transferred to them.

References to the works of Hollar, Faithorne, Sir J. Reynolds, Sir T. Lawrence, and various other separate collections have been added to the new general index of English portraits. One thousand four hundred and seventy additional titles have been written for the same.

Titles for a new catalogue of the collection of English mezzotints, and a subject index to the same, have been prepared.

The preparation of an index to the collection of prints after J. M. W. Turner, R.A., in accordance with Mr. Rawlinson's forthcoming catalogue, has been continued and completed.

The preparation of titles for a new index to the collection of sale catalogues has been completed.

The preparation of an index to the prints and drawings contained in the Anderdon set of Royal Academy catalogues has been continued.

The work of copying the entries in recent volumes of the Register of Acquisitions on separate titles for painter, engraver, and subject, has been commenced.

One thousand two hundred and thirty-six prints and drawings, recently acquired, have been incorporated with the collections to which they severally belong.

One thousand eight hundred and sixty-seven items have been entered in the Register of Acquisitions.

Six thousand five hundred and seventy prints, drawings, etc., have been impressed with the departmental stamp and references to the Register.

Eight hundred and six drawings have been placed on sunk mounts, and five hundred and ninety-seven prints have been mounted in the ordinary manner.

II.—Additions.

The total number of drawings, prints, &c., acquired during the year was 3,456, of which the following are the most important :—

Italian School.

Drawings.

Anonymous, Florentine. Two sheets belonging to the sketch-book of a Florentine artist, probably Maso Finiguerra, which was purchased in 1889, *Presented by the Trustees of the Ruskin Museum, Sheffield.*

Anonymous, Milanese. Studies of human heads and figures and head of a horse, by (?) B. Luini; with two seated figures in lunettes, in pen and red chalk by another hand, on the same sheet.

Bernini, Giovanni Lorenzo. Portrait of himself; black chalk.

Caliari, Paolo (Veronese). Ecce Homo; pen and black chalk, washed with sepia.

Ghirlandaio, Ridolfo. Profile head of a man; black chalk.

Guardi, Francesco. The Piazza di San Marco: pen and Indian ink. Sta. Maria della Salute, Venice; pen and Indian ink.

Etchings.

Borgiani, Orazio. Ten plates belonging to the set of fifty-two from Raphael's Bible (B. 1-52).

Fialetti, Odoardo. Venus and Cupid; two plates (B. 7 and 8).

Engravings.

Baldi, Accursio, and Bastiano Marsili. Thirteen plates to R. Gualterotti's "Festa nella Nozze del Don F. Medici et Bianca Capello," 1579.

Cipriani, Galgano. Allegorical figure of Peace; after E Le Sueur; proof before letters.

Franco, Giovanni Battista. Hercules and Nessus (B. 40).

Master of the Caltrop. Capital of a column.

Mercuri, Paolo. Portrait of Columbus; proof on Indian paper.

Pedretti. Le Lutrin de Village; after A. M. Baume; two states.

Pollajuolo, Antonio. Hercules and Antæus (B. 1); a remarkably perfect impression of one of the rarest early Italian prints.

Vico, Enea. The Forge of Vulcan (B. 31).

Prints in Chiaroscuro.

Anonymous. Virgin and Child; after Parmegiano (B. XII. 56, 12).

Andreani, Andrea, Adoration of the Magi; after B. Luini (B. XII., 30, 4). Virtue bound by Love, Error, Ignorance and Dogma; after J. Ligozzi (B. XII., 130, 9).

Coriolano, Bartolomeo. Herodias; after G. Reni (B. XII., 47, 29). St. Jerome; after G. Reni (B. XII., 83, 33, second state).

Trento, Antonio da. Martyrdom of Saints Peter and Paul; after Parmegiano (B. XII., 79, 28).

Prints arranged to illustrate the Works of Painters.

Barbieri, Giovanni Francesco (Guercino). Raising of Lazarus; by G. B. Pasqualini.

Buonarroti, Michelangelo. The Fates; by V. Benucci.

Caracci, Agostino. Venus and Cupid; by V. Green, mezzotint.

Pippi, Giulio (Romano). The Crucifixion; without engraver's name.

Rosalba, Carriera. Plenty; by P. Dawe; mezzotint.

Vecellio, Tiziano (Titian). The Entombment; by G. Bonasone (B. 44). " La Bella di Tiziano nella Galleria Pitti "; by A. Perfetti.

German School.

Drawings.

Dürer, Albrecht. Portrait of Henry Parker, Lord Morley; silver-point on green paper, signed and dated 1523.

Hoffmann, Hans. A dead bird suspended from a nail; highly finished in water-colours, on vellum, with monogram and date 1583.

Holbein, Ambrosius. Study for head of the Infant Christ; silver-point, with false signature of Hans Holbein.

All three of the above were purchased at the sale of the Mitchell collection.

Etchings.

Bartsch, Adam von. Ten plates after Van Dyck, Parmegiano, H. Roos, Raphael, Il Borgognone, etc.

Woodcuts.

Anonymous, fifteenth century. Saint Bridget; coloured.
Resch, Hieronymus. The Mill of Fools (Derschau-Becker collection).

Engravings.

Beham, Hans Sebald. Four of the set of plates of a village wedding procession (B. 181, 183, 184, 185). Bust of a young woman (B. 204).
Dürer, Albrecht (attributed to). The Judgment of Paris (B. 65).
Leipoldt, Johann. Portrait of Mary, Queen of Scots, holding a crucifix.

Meier, Melchior. Apollo and Marsyas.
Pencz, Georg. Abraham and Isaac (B. 4). Joseph relating his dream (B. 9). Joseph sold by his brethren (B. 11). The Circumcision (B. 31). Adoration of the Magi (B. 32). Christ curing the woman with an issue of blood (B. 40). Christ curing the youth possessed of a devil (B. 41). The Crucifixion (B. 57). Four of the set of the Seven Acts of Mercy (B. 58–62). The Good Samaritan (B. 68). Tarquin and Lucretia (B. 78).
Solis, Vergil. Portrait of Johann Gemel (P. 625).

Prints arranged to illustrate the Works of Painters.

Kirner, Johann Baptist. "Die Kartenschlagerin im Schwarzwalde"; by A. Schleich.
Schenau, Johann Eleazar. "Reflections"; by Levilly; proof before letters.

DUTCH AND FLEMISH SCHOOLS.

Drawings.

Bordieu, Pieter du. Portrait of a man in a cloak; grisaille on canvas.
Goltzius, Hendrik. Head of a man, dated 1606; with a signed autograph note by Goltzius; pen.
Pinas, Jacob. Adoration of the Magi; pen, signed.
Rembrandt. Two sketches of plantations; black chalk. Purchased at the sale of the Mitchell collection.

Etching.

Hooghe, Romeyn de. Peace of Nimeguen, 1678; first state.

Woodcuts.

Corneliszen, Jacob (van Oostzanen). St. Michael, St. George, and St. Hadrian; three cuts.

Engravings.

Bruyn, Nicolas de. Six plates of animals.

Claessen, Alart. Judith and Holofernes.

Delff, Willem Jacobsz. Portrait of Robert Rich, Earl of Warwick; before address of R. Peake.

Jode, Pieter de. Portrait of Henrietta Maria; after A. van Dyck; unfinished proof.

Sadeler, Raphael. Portrait of Charles Emanuel, Duke of Savoy; after G. Caraca; proof before the painter's name.

Tanjé, Pieter. Portrait of Jacobus Joannes Eliza Capitein; after P. van Dyk. The Hypocrite detected, after C. Troost.

Vaillant, Wallerant. The lady drinking; mezzotint (W. 182); proof before all letters.

Wierix, Anton. Portrait of the Emperor Rudolph II. (A. 2020.)

Wierix, Hieronymus. Betrayal of Christ (A. 345).

FRENCH SCHOOL.

Drawings.

Eisen, Charles. The original design for the frontispiece (engraved by M. Le Mire) to an edition of Lucretius published at Amsterdam, 1754; pen and Indian ink.

Méryon, Charles. Two views in Bourges; pencil. Eight sketches of heads of natives of New Zealand; pencil.

Engravings.

Corneille, Claude. Six of the set of the Planets (D. 16–22).

Delaune, Etienne. Eleven plates of ornament (D. 355, 359, 360, 364, 383, 385–387, 393, 396, 398).

Didier, Adrien. The three Graces; after Raphael; artist's proof, signed.

Ficquet, Etienne. Portrait of Michel de Montaigne; after Dumonstier. *Presented by Miss Twining.*

Gaillard, Claude Ferdinand. Virgin and Child; after Botticelli; trial proof. Mona Lisa; after L. da Vinci; four progress proofs. Bust of Dante, trial proof.

Janinet, Jean François. Tarquin's visit to Lucretia; from a bas-relief by Moitte; aquatint. Death of Demosthenes; from a bas-relief by Moitte; aquatint. "Restes du Palais du Pape Jules"; after H. Robert; aquatint, coloured.

Jazet, Jean Pierre Marie. "Les Conteurs," and "Les Joueurs de Dames"; both after Burnet; aquatints. "La Bonne Nouvelle"; aquatint.

Leu, Thomas de. "Pourtraictz de Plusieurs Hommes Illustres qui ont flory en France depuis lan 1,500 jusques a present."

Poilly, François. Portrait of Jacques Bénigne Bossuet; after Mignard; first state, before the painter's name.

St. Aubin, Augustin de. Portrait of Simon Nicolas Henri Linguet.

Simon, Jean Pierre. "Ni l'un ni l'autre"; after Désora; printed in colours.

Vidal, Géraud. "Christophe Colombe"; after Chaale.

Prints arranged to illustrate the Works of Painters.

Boucher, François. Eleven imitations of drawings; by L. Bonnet, in the chalk manner.

Chardin, Jean Simeon. "Le Garçon Cabaretier," "L'Ecureuse," "La Blanchisseuse," "La Fontaine," and "Simple dans mes plaisirs"; all by C. N. Cochin.

Delacroix, Eugène. "Lady Macbeth"; by Metzmacher.

Ingres, Jean Auguste Dominique. "La Source"; by L. Flameng.

Isabey, Jean Baptiste. "Le Départ"; by Darcis; printed in colours.

Le Brun, Jean Baptiste Pierre. "La Sultane Infidèle"; by E. C. Voysard.

Lordon, Pierre Jerome. Five scenes from the story of Calypso; by Benoist, Dissard, and Choubard; printed in colours and tinted.

Mignard, Pierre. "Ste. Cécile"; by Ulmer.

Moreau, Jean Michel. "Arrivée de J. J. Rousseau aux Champs Elisées"; by C. F. Macret.

Pater, Jean Baptiste. Five scenes from Scarron's "Roman Comique"; by L. Surugue and G. Scotin.

Raoux, Jean. "Angélique et Medor"; by N. de Launay.

Rigaud, Hyacinthe. Portrait of Jean de La Fontaine; by E. Ficquet. *Presented by Miss Twining.*

Vernet, Antoine Charles. "Officiers Anglais et Ecossais;" by Debucourt, aquatint, coloured.

Spanish School.

Drawings.

Carreno, Juan. Portrait of Maria Anne, wife of Philip IV. of Spain; pen and ink.

Menendez, Luis. Portrait of Isabel Farnese, wife of Philip V. of Spain; black chalk, washed.

Paret y Alcazar, Luis. Portrait of Maria Luisa, wife of Charles IV., pen and Indian ink. A masquerade in a theatre; pen and Indian ink.

Engravings.

Queiroz, Gregorio Francisco. Group of dancing girls; after F. Vieira.

ARTISTS OF FOREIGN SCHOOLS WORKING IN ENGLAND.

Drawings.

Francia, Francis Louis Thomas. Transports returning from Spain, February 1809, beating into St. Helen's Roads; watercolours.

Gravelot, Hubert François. Seven of his original designs for the illustrations to Gay's Fables, 1738, vol. 2; pen and ink. An arabesque design; watercolours.

Ravenet, Simon François. Portrait of Lord Camden; after Reynolds; black chalk.

Engravings.

Baron, Bernard. Portrait of Hon. Robert Boyle; after Kerseboom; proof before letters.

Bartolozzi, Francesco, R.A. Portrait of Robert John Thornton, M.D.; after J. Russell; with Thornton's autograph.

Prints arranged to illustrate the Works of Painters.

Rigaud, John Francis, R.A. "Providence" and "Innocence"; by B. Smith. "Happiness," by T. Burke. "Wisdom," by J. P. Simon.

ENGLISH SCHOOL.

Drawings.

Allport, Henry C. View of Conway Castle; watercolours.

Ansell, Charles. Group of ladies and gentlemen in a garden; watercolours.

Barber, R. (?). Two scenes from Sterne's "Sentimental Journey"; Indian ink, tinted.

Browne, Hablot Knight ("Phiz.") The complete set of twenty-six original sketches for his illustrations to Lever's novel, "The O'Donoghue"; pencil and Indian ink.

Bunbury, Henry William. "The Water Sprite"; water colours.

Calvert, Edward. Amphion, the Golden Age, Pan and Pitys, Seats of the Blessed, a Pastoral, and a Shepherd; all in oils on paper. *Purchased from the representatives of the Artist.*

Calvert, Edward. A Nymph, and The Farther Shore, oils on paper; also twenty sketches of figures and landscapes, in chalks, pen and pencil. *Presented by S. Calvert, Esq.*

Calvert, Edward. Eleven drawings in oils on paper, including Aurora and Tithonus, Pan and Pitys, Nomads changing pasture, a Shepherd on a journey, and a Nymph looking up into a tree; also three sketches in watercolours, sixteen in chalks, and five in pen and ink. *Presented by Miss Deacon.*

Cockburn, General James Patterson. Castel Gandolfo; watercolours. View near Interlacken; watercolours.

Collet, John. River scenes with figures; watercolours. At the inn door; watercolours. Peasants dancing outside an inn; watercolours.

Corbould, Richard. View of Bulstrode Park; watercolours. View of Cliefden House, Bucks; watercolours. View of Belvedere House, Kent; watercolours.

Cotes, Francis, R.A. Portrait of Sir John Hill; Indian ink.

Cruikshank, Isaac Robert. Highland Dance; watercolours.

Danby, Francis, A.R.A. View of Conway Castle; watercolours.

Daniell, Thomas, R.A. Indian river scene, with waterfall; watercolours.

Derby, William. Portrait of Dr. Kidd; watercolours.

De Wint, Peter. A vase, basket of mushrooms, &c., on a table; watercolours. A blue china vase; watercolours. A basket, jug, &c.; watercolours.

Elizabeth, Princess (Landgravine of Hesse). The wood gatherer; watercolours.

Fielding, Thales. The old breakwater, Plymouth; watercolours.

Fielding, Theodore Henry. View of Windsor Castle; watercolours.

Forster, Thomas. Portrait of George St. Lo; pencil on vellum.

Gainsborough, Thomas, R.A. A lady seated, playing the harp; sketch in black chalk.

Gaywood, Richard. Design for a frontispiece; Indian ink.

Girtin, Thomas. St. George's-row, Tyburn; watercolours. View of Dr. Munro's house; watercolours.

Halfpenny, Joseph. River scene with peasant and cart; watercolours.

Hayter, Sir George. Portraits of Canova, Moritz Retzsch, Sir E. Landseer, J. H. Wiffen, Seymour Kirkup, and Sir C. Eastlake; pen, pencil and sepia.

Hayter, John. Portrait of Sir Charles Eastlake; black chalk and Indian ink.

Hogarth, William. Study for a seated portrait of a lady; black chalk.

Hone Nathaniel, R.A. Portrait of himself; black chalk. Another; pen and sepia.

Ibbetson, Julius Cæsar. A farmyard; watercolours.

Kangiesser,

Kangiesser, W. F. Derwentwater from Castle Head; watercolours.

Landseer, Thomas, R.A. Old mill, Lynton; watercolours.

Lawrence, Sir Thomas, P.R.A. Portrait of Henry Fuseli, R.A.; pencil.

Le Capelain, John. Landing seaweed; watercolours.

Leech, John. The Election; pencil sketch for an illustration to "Adventures of a Scamp." Three sketches for caricatures of the foreigners at the 1851 Exhibition; pencil. Four other pencil sketches.

Lucas, Samuel. Six finished drawings of landscape, in watercolours, and an album containing one hundred and four sketches in pen and ink. *Presented by Mrs. and the Misses Lucas.*

Mitchell, Thomas. View of Greenwich Hospital; pen and Indian ink. Sheerness and American prize; pen and Indian ink.

Noel, Amelia. View of Windermere; watercolours.

Payne, William, View of Torbay; watercolours.

Prout, Samuel. Studies of figures at Ostend; watercolours.

Richards, John Iñigo, R.A. View at Hestercombe, Somerset; watercolours. View at East Acton; watercolours.

Schetky, John Christian. Wreck of the frigate Anson in Mount's Bay; watercolours.

Sibson, Thomas. An album containing one thousand four hundred and twenty-six sketches. *Presented by W. J. Linton, Esq.*

Smith, John Raphael. Portrait of Thomas Rowlandson; black chalk.

Stevens, Alfred. A collection of twenty-two original designs and studies.

Stubbs, George, A.R.A. Lion devouring a horse; watercolours. Lioness and cubs; sepia and Indian ink.

Taverner, William. A sandpit, Woolwich; watercolours.

Tomkins, Peltro William. Portrait of Princess Charlotte Augusta, afterwards Queen of Wurtemberg; chalks and watercolours.

Turner, Joseph Mallord William, R.A. Two etchings by E. Dayes, figures of an officer and a drummer boy, coloured by Turner when a boy, for Mr. Colnaghi.

Varley, John. River scene with figures; watercolours.

White, Robert. Portrait of a gentleman; pencil on vellum.

Wright, John Massey. Return of Don Quixote; watercolours.

Of the drawings above enumerated, a considerable proportion were purchased at the sale of the collection of the late Dr. Percy.

Etchings.

Jukes, Francis. "A view on the Thames near London Bridge;" after Cleveley.

Morland, George. View of cottages, with a man crossing a wooden bridge; dry point.

Prout, Samuel. "Rudiments of landscape," No. 4 and part of No. 5; twenty-two plates.

Sandby, Paul. View of a town and bridge.

Whistler, James Abbott Macneill. View of Putney Bridge. View of Chelsea Wharf.

Lithographs.

Linnell, John. The Sonnet; after W. Mulready, R.A.

Woodcuts.

Linton, William James. "Long Branch by Moonlight"; after C. Rosenberg. "A Castaway;" after Sir G. Harvey; proof before letters. The Allied Fleets of France and England in the Baltic Sea, 1855. *All presented by the Engraver.*

Engravings.

Elstracke, Reginald. Portrait of Sir Philip Sidney.

Humphrey, William. Portrait of Madame du Barry; after B. Wilson; mezzotint; proof before all letters.

Keating, George. "A Boys' School"; and "A Girls' School"; a pair; after Pasquilini.

Lewis, Charles George. Spanish Mendicants; after J. F. Lewis, R.A.; proof before all letters.

Miller, William. "Sunset at Sea after a Storm"; after F. Danby; proof touched by the artist.

Sherwin, John Keyse. "The Happy Village" and "The Deserted Village"; a pair.

Skelton, William. Portrait of Jean François Lamarche, Bishop of Laon; after H. P. Danloux.

Tomkins, Peltro William. "A Dressing Room à la Française"; after C. Ansell; proof before letters.

Vertue, George. Portrait of Matthew Prior; after Richardson; proof before all letters.

Ward, William, A.R.A. Portrait of John Horne Tooke; after J. R. Smith; mezzotint; proof before all letters.

Prints arranged to illustrate the Works of Painters.

Ansell, Charles. "The Poor Soldier"; by Miss Ollivier, stipple.

Buckler, John. Nine views of English Cathedrals; by F. C. Lewis, G. Lewis, T. Hall, and R. Reeve; aquatints.

Bunbury,

Bunbury, Henry William. "Going to Market"; by G. Shepheard.

Cosway, Richard, R.A. A portrait group of three ladies of the Loftus family; from a drawing in the possession of Sir Philip Currie; by E. Stodart; signed proof. *Presented by Mr. F. B. Daniell.*

Fielding, Anthony Vandyke Copley. Eight views of the River Wye; by T. H. Fielding, aquatint.

Hamilton, William, R.A. "The Blackberry Gatherer," and "The Cowslip Gatherer;" a pair, by A. Fogg.

Harper, T. "Day"; by Arnold; mezzotint; printed in colours.

Laguerre, John. Four scenes from the farce of "Hob in the Well;" by C. du Bosc.

Lawrence, Sir Thomas, P.R.A. Twenty-four portraits, engraved by F. C. Lewis in imitation of the original crayon drawings.

Serres, John Thomas. "Fishermen going out"; by J. Whessell. "Fisherman's Return"; by J. Whessell.

Stothard, Thomas, R.A. Scene from "The Vicar of Wakefield;" proof before all letters. *Presented by J. Deffett Francis, Esq.*.

Turner, Joseph M. W., R.A. View of Minehead; by W. B. Cooke; unfinished. *Presented by J. Deffett Francis, Esq.* The Castle above the Meadows; pen and ink copy of the etching for "Liber Studiorum." *Presented by J. Deffett Francis, Esq.*

American School.

Etchings.

Weir, J. Alden. Sixteen plates, chiefly portraits. *Presented by the Artist.*

Oriental.

A Japanese makémono representing the first landing of Chinese traders in Japan.

Modern Prints presented by Publishers.

The Trustees have received from Mr. L. H. Lefèvre, of King-street, St. James's, artists' proofs of the following prints published by his firm during the year:—

Alma-Tadema, Lawrence, R.A. In the Rose Garden; by L. Lowenstam.

Bonheur, Rosa. Scotch Cattle at Rest—Glencoe; by J. B. Pratt.

Pinwell, George John. Strollers; etching by W. H. Boucher.

Sadler, Walter Dendy. Darby and Joan; etching by W. H. Boucher. Chance Companions; etching by Macbeth Raeburn.

Raeburn. Over the Nuts and Wine; etching by W. H. Boucher. Home Brewed; etching by W. H. Boucher.

Weber, Otto. A Sunny Day—Cookham; etching by Mrs. M. Morris.

Ornaments.

"Seer aerdige Grotissen dienstich alle die de Teyckenkonst hanteren getekent door Nicasius Rousseel, gedruckt bÿ Visscher A° 1644"; ten plates engraved by J. Barra.

Nineteen anonymous plates.

Portraits.

Foreign.

Alva, Ferdinand Alvares, Duke of; the statue erected at Antwerp, 1571; woodcut.

Anne of Austria, wife of Louis XIII.; by L. Gaultier.

Blosseville, Alexandre Bouchart, Vicomte de; after Dumonstier, by L. Gaultier.

Boileau-Despreaux, Nicolas; after Rigaud; by P. Savart. *Presented by Miss Twining.*

Chabodie, David; by L. Gaultier.

Charles VII. of France; by De Marcenay.

Christina, Queen of Sweden; her reception by the City of Paris, September 8, 1656; anonymous engraving.

Colbert, Jean Baptiste; after Ph. de Champagne, by P. Savart. *Presented by Miss Twining.*

Crébillon, Claude Prosper Joliot de; after Aved, by E. Ficquet. *Presented by Miss Twining.*

Elisabeth, Princess, sister of Louis XVI.; aquatint.

Götze, Georg; by E. Busch; mezzotint.

La Mothe Le Vayer, François de; after Nanteuil, by E. Ficquet. *Presented by Miss Twining.*

Leopold Wilhelm, Archduke of Austria; by M. Küsell.

Leydecker, Melchior; after R. D. la Haye, by G. Valck.

Louis XIII.; by L. Gaultier.

Louis XIV.; after Rigaud, by P. Savart. *Presented by Miss Twining.*

Marie Antoinette; aquatint.

Maximilian, Duke of Bavaria; after H. von Mayr, by J. Woelfjle; lithograph.

Molière, Jean Baptiste Poquelin de; after A. Coypel, by E. Ficquet. *Presented by Miss Twining.*

Napoleon III.; after J. R. Swinton, by H. T. Ryall. Another; lithograph by M. Alophe.

Nemours, Marie d'Orléans, Duchesse de; after Rigaud, by P. Drevet.

Pasquier, Etienne; by L. Gaultier.

Racine, Jean; after Santerre, by P. Savart. *Presented by Miss Twining.*

Rameau,

Rameau, Jean Philippe; after J. Caffieri, by A. de St. Aubin; two states.

Richelieu, Armand Jean du Plessis, Cardinal; by Isaac Briot.

Rousseau, Jean Jacques; after La Tour, by E. Ficquet. *Presented by Miss Twining.*

Savoy, Emanuel Philibert, Duke of; woodcut; "Venetijs, per Oliverium Chevallum."

Schiller, J. C. Friedrich von; a collection of forty-six engraved portraits and other subjects relating to him.

Vergennes, Charles Gravier Comte de; by C. Bervic.

Voltaire, F. M. Arouet de; after La Tour, by E. Ficquet. *Presented by Miss Twining.*

William I., King of the Netherlands, when Prince of Orange; after J. Odevaere, by F. Lignon.

English.

Canning, Charlotte Stuart, Countess, and Louisa, Marchioness of Waterford; after R. Thorburn, by F. Joubert; proof before letters.

Charles I. and his family; anonymous Dutch print.

Gally-Knight, Selina; after Edridge, by S. W. Reynolds; mezzotint.

Gunning, Catherine; after F. Cotes, by R. Houston, mezzotint.

James I.; by P. à Gunst.

Leicester, Robert Dudley, Earl of; on horseback; with German text.

Lely, Sir Peter; after himself, by G. Valck, mezzotint.

Lyttelton, Edward, Lord; by R. White.

Marlborough, John Churchill, Duke of; after Kneller, by E. C. Heiss; mezzotint. Another, by G. P. Rugendas, mezzotint.

Palmerston, Henry Temple, Viscount; after A. Craig, by A. Rimanoczy.

Pitt, Right Hon. William; after Edridge, by A. Cardon.

Richard III.; Compton Holland, exc.

Sylvester, Joshua; by C. Van Dalen.

Wellington, Arthur, Duke of; by Maurin, lithograph. Another; after J. Palmer, by T. Fairland, lithograph.

Wilberforce, Samuel, Bishop of Winchester; after Richmond, by H. Robinson.

Sets and Collections.

A complete series of the plates of Roman pavements, painted glass, brasses, fonts, etc., one hundred and sixteen in number, drawn, engraved, and published by William Fowler of Winterton, between 1799 and 1829. *Presented by the Earl of Crawford.*

Nine pocket maps in illustrated cardboard cases, by Matthias Seutter, of Augsburg. *Presented by Lady Charlotte Schreiber.*

0.80.

Photographs.

"Pictures of East Anglian Life"; ten photogravures from nature, by Dr. P. H. Emerson. *Presented by the Artist.*

The complete series of two hundred and sixty carbon prints, executed by Messrs. Braun, of Dornach, from drawings by the Old Masters in the Royal Library at Windsor.

Books of Prints.

A German MS. Book of Prayers of the fifteenth century, illustrated with thirty-five illuminated relief cuts.

"Rosenkrantz Marien der wyrdiger moder Goitz," etc.; a small illuminated MS. on vellum, illustrated with three coloured early German engravings, which form an integral part of the work.

Benlowes, Edward. "Theophila, or Love's Sacrifice, a Divine Poem"; illustrated with twelve plates by Hollar, Barlow, Lovell, etc.; London, 1652, fol.

Boissard, Jean Jacques. "Bibliotheca Chalcographica"; a collection of three hundred and ninety-two portraits, engraved by J. T. de Bry and R. Boissard; Frankfort, 1650.

Hassell, John. "Aqua Pictura; illustrated by a series of original specimens from the works of Messrs. Payne, Munn, Francia, etc.; engraved and finished in progressive examples"; seventy-six plates in aquatint.

Lewis, Frederick Christian. "Picturesque Scenery of the River Dart," thirty-eight plates in aquatint; London, 1821.

Prout, Samuel. "Interiors drawn on stone by Samuel Prout"; four parts, containing twenty-four plates, 1832; proofs on India paper.

Rubens, Peter Paul. "Twelve heads drawn on stone by John Scarlett Davis, from the original sketches by Rubens, in the possession of R. D. Chantrell, Esq."; London, 1830.

Schreiber, Lady Charlotte. "Fans and Fan Leaves (Foreign)"; London, 1890, folio. *Presented by the Author.*

Upham, J. W, "Views in and near Weymouth"; eighteen coloured aquatints by Bluck, in three parts.

Wood Blocks.

Bewick, Thomas. A man sitting under a tree by a river, reading; the original engraved block of an unpublished vignette. A women riding on a donkey; drawing on the block for an unengraved vignette. Both were presented by Bewick to Dean Buckland.

Books of Reference.

Percy, John, M.D., F.R.S. A MS. Catalogue of his historical collection of English water colour drawings.

Catalogues

Catalogues of the exhibitions of the Society of Painters in Water Colours, from 1805 to 1836.

A set of twenty rare pamphlets on art subjects, twelve of them relating to the management and exhibitions of the Royal Academy.

Sidney Colvin.

The number of students and visitors attending the Print Room during the year ending 31 December 1890 was 5,220.

Department of Egyptian and Assyrian Antiquities.

I.—*Arrangement, Cataloguing, &c.*

Egyptian Division :—

The general re-arrangement of the Egyptian Collection has been proceeded with.

Fifty objects have been mounted on plinths, and two plinths have been cleaned. Fifty-one wooden stands and pedestals have been made. Blocks have been fitted in cases and covered with velvet, and shelves and other fittings have been prepared. The bottoms of two cases have been covered with red cloth. A papyrus-stand has been re-fixed, and new cupboards have been made underneath it.

Thirty-four objects have been repaired. Four hundred and twenty-nine labels for Egyptian objects have been printed, painted, or written. Two hundred and sixty-seven numbers have been printed and attached to objects. Three papyri have been unrolled. An index to the Egyptian registers has been prepared. One thousand and fifty Egyptian objects have been registered.

The Egyptian portion of the General Guide to the collection has been re-written.

Assyrian Division :—

The general re-arrangement of the collections of Babylonian and Assyrian Antiquities have been proceeded with, and the portion of the General Guide referring to them has been re-written. Five tablets have been mounted on alabaster plinths, a bronze door-step from Babylonia has been mounted on a plinth, eighteen stands have been made, and mahogany pedestals have been prepared for the clay cylinders.

Fifty-eight tablets have been joined, twenty-five case-tablets opened and repaired, eighty-five tablets and seven other objects repaired, and seventy tablets cleaned. Thirteen thousand and eighty-eight tablets and twenty-one other objects have been registered. One hundred and seventy-three labels have been written or painted. Five hundred

and eighty one case-numbers have been printed and attached to objects exhibited in the Kouyunjik Gallery. Two thousand nine hundred and nine written numbers, and seven thousand eight hundred and thirty-eight printed numbers have been attached to boxes containing tablets. A list of the tablets remaining unregistered has been made.

The list of the words in the Tell el-Amarna tablets has been continued to No. 81 and revised; the second proof of the sheets has been corrected, and the texts arranged according to the names of the writers. The transcriptions and translations have also been revised. The preparation of the catalogue of the K collection of tablets has been continued. The second edition of Volume IV. of the "Cuneiform Inscriptions of Western Asia" has been proceeded with, twelve collections of tablets having been examined for duplicates. Further additional texts have been copied for the work, the "Additions and Corrections," etc., have been completed, and most of the proofs finally corrected.

One thousand and thirty-nine visits have been made to the Egyptian and Assyrian Department by students and others. These have been assisted in their researches, and four thousand four hundred and twenty-two objects have been given out to them.

II.—*Acquisitions.—Purchases.*

I.—1. A bronze figure in the attitude of a Canephoros, the lower part terminating in a cone, bearing an inscription in archaic characters and in the Accadian language. According to this inscription, the figure was dedicated to the Goddess Nana, daughter of the god Sin, by Arad-Sin (or Eri-Aku), son of Kudurmapuk, a Babylonian king who reigned about B.C. 2300, for the preservation of his own life and that of his father.

2. A bronze figure, supposed to represent a king of Babylonia. Date about B.C. 2200. From Abu Habba.

II.—1. A socket for a door-post, of black diorite, inscribed with a dedication by the Babylonian King Gudea to the divinity Nina. From this inscription the socket appears to have belonged to a temple built by Gudea at Nina-ki, a suburb of his chief city Lagash. The language is Accadian.

2. Part of a large basin of black diorite, bearing an Accadian inscription in characters of the most archaic form known. The name of E-annadu, the son of A-kur-gal and one of the most ancient rulers of Lagash in Babylonia, occurs on this monument. The inscription shows that it belonged to a temple, probably built by him, and it was perhaps used to contain lustral water.

3. A Babylonian boundary-stone of black diorite, bearing the

the signs of the Zodiac; probably of the 12th or 13th century B.C.

III.—Two gold earrings with pendants in the form of large and small beads combined. From Babylonia.

IV.—A collection of Egyptian royal scarabs (200 in number) formed by the Rev. W. J. Loftie.

V.—A collection of 187 miscellaneous small objects, including models, terra cottas, ivories, vases, figures, amulets, etc., from Egypt.

VI.—1. An alabaster vase inlaid in green, inscribed with name of Pepi I., the second king of the sixth dynasty.

2. A lime stone statue of the Royal Mother Teta.

3. A black granite statue of Mâha, the president of the Harpists (from Thebes).

4. Two painted and gilded *Ushabti* figures of Merui, a lady of the college of Amen at Thebes.

5. A large porphyry bowl and nine pieces of blue porcelain.

6. A hieroglyphic copy of the Book of the Dead, 24 feet long, of late period, but interesting on account of its variants.

7. A hieroglyphic papyrus containing invocations to the gods of the various districts of the Underworld.
Only small portions of this work had hitherto been discovered.

VII.—A collection of Egyptian antiquities, including a unique bronze statuette of a goddess, two cat cases, metal implements of the Coptic period, and various other objects.

VIII.—The bronze framework for the head of the god Thoth in the form of an Ibis.

IX.—The bronze figure of a horseman, probably a Parthian.

X.—Six Gnostic gems in hæmatite, lapis lazuli and jasper of different colours.

XI.—The wooden figure of a female standing on a pedestal.

XII.—A collection of casts from the most important monuments in the Museum at Ghizeh.

Presents.

I.—A collection of fragments belonging to two important papyri.
The first of these papyri contained a list of hieroglyphic signs with their hieratic equivalents, and sometimes the

phonetic values of ideographic signs. It is of the highest interest as being the only document bearing upon the system by which the Egyptians arranged their syllabary.

The second papyrus is of the nature of a Calendar. It contained a synoptical list of the twelve months of the year, with the names of the festivals, the 30 days of the moon with the corresponding lunar divinities, the names of Upper and of Lower Egypt, with the lists of priests and priestesses of the sanctuaries in these nomes, the names and titles of the sacred animals, and a table of all the state dignitaries. All these fragments were found at Tanis.

Presented by the Committee of the Egypt Exploration Fund.

II.—A lead oval object with floral design.

Presented by the Rev. T. R. Laurence of Alexandria.

III.—A green glazed Egyptian porcelain figure of the god Bes (so called from the leopard's skin in which he is often clad), the patron of music, dancing, and jollity. He holds in his right hand the symbol of life, and in his left that of might.

Presented by A. W. Franks, Esq., C.B.

IV.—A board from a sepulchral box or chest inscribed with a figure of Thoth pouring out a libation, and with an inscription containing the name of an unknown pretender to the title of Emperor.

Presented by F. G. Hilton Price, Esq.

V.—1. A blue glazed figure of Mut, the great goddess of Thebes, in Egyptian porcelain.

2. A green glazed Egyptian porcelain figure of a lion.

Presented by A. W. Franks, Esq., C.B.

VI.—Two modern imitations:

1. A bronze figure of the god Shu.
2. A bronze figure of the goddess Ta-urit (Thoueris).

Presented by F. G. Hilton Price, Esq.

VII.—1. Two burnt clay bricks inscribed with the name of Pi-net'em.

2. A collection consisting of—
   A wooden figure of a man,
   9 fragments of glazed Egyptian porcelain,
   2 disks in mother-of-pearl,
   A silver pin,
   2 reed rings,
   2 armour scales,
   3 ivory dolls,
   5 terra-cotta moulds,
   A sandstone object with design.
   30 objects in ivory,

A Byzantine

A Byzantine earring,
2 scarabs,
The fragment of a Gnostic gem,
8 glass annules,
A wooden stamp,
A fragment of ceiling,
A fragment of statue of the heretic king Chu-en-Aten,
A wooden crutch,
An inscribed board, with plaques, seals, and other Egyptian objects.
Presented by the Rev. Greville C. Chester.

VIII. — A green glazed porcelain "Symbolic Eye," with figures of the god Sebek, a lion, serpents, &c.
Presented by Major-General Sir Francis Grenfell.

IX.—1. A seated wooden figure.
2. Three tesserae.
3. Two terra-cotta and two porcelain ushabti figures.
4. A wooden figure of the goddess Ta-urit.
5. Three wooden sailors.
6. A terra-cotta mould.
Presented by Rev. W. J. Loftie.

X. Plaster casts of the wooden panels of Hesi. These panels are perhaps the most ancient monuments in the Egyptian museum of the Ghizeh palace.
Presented by M. E. Grébaut, Keeper of the Museum of Ghizeh.

XI.—1. A green glazed mask of the god Bes, from a vase.
2. A grotesque head in glazed ware.
3. A plaster model for human face (Egypto-Greek).
4. A small bronze lion with head-dress of the god Ma-hes. All from Zagazig.
Presented by the Committee of the Palestine Exploration Fund.

XII. — A type set of fragments of Syrian pottery found at Lachish (Tell Hesey). *Presented by the Committee of the Palestine Exploration Fund.*

XIII. — Three broken stone columns—
Nine pieces of column stands,
One piece of wooden column. All found at Kahun, and dating from the twelfth Dynasty of the Egyptian Monarchy.
Presented by H. M. Kennard, Esq.

P. le P. Renouf.

Department of Greek and Roman Antiquities

I.—*Arrangement, Cataloguing, &c.*

Twenty sculptures and sixteen inscriptions have been repaired and mounted, and new marble pedestals for the west pediment of the Parthenon completed; the casts of sculptures in the Elgin Room, and the model of the Parthenon, have been cleaned and repaired, and the walls of the Elgin Room repainted; the re-arrangement of the Archaic Room has been completed, the casts of the pedimental sculptures from Ægina having been cleaned, and the restored pediments erected in that room; three casts of Metopes have been fixed on corbels; the sculptures of the Nereid monument have been moved from the Lycian Room to the former Phigaleian Room, where their repair, re-arrangement, and re-erection has been completed; the arrangement of a new room of inscriptions beside the Entrance Hall has been begun; fifty-five vases have been cleaned and repaired; forty-six gems, one coin, and one fragment of terra-cotta have been moulded; forty-two lead scrolls have been unrolled and cleaned; seven lead scrolls, and one bronze disk, have been mounted; a case for portfolios of drawings has been made in the Elgin Room; nineteen gems have been mounted in silver-gilt settings, and ninety-two gems from the Carlisle Collection have been mounted on velvet; cupboards have been prepared in a basement-room to hold duplicate specimens; a table has been made for the model of the Nereid Monument; progress has been made in remounting and re-arranging the Collection in the First and Fourth Vase Rooms; three hundred and forty-six objects have been registered; four hundred and eighty-six catalogued; and three hundred and fifty descriptive titles written and attached to objects; descriptive titles have also been written on the doors of the different rooms.

Section II., Part III., of the "Ancient Greek Inscriptions in the British Museum," and a new edition of the General Guide have been issued. Progress has been made with a Hand-book to, and a Catalogue of, the Vases, and a Catalogue of Sculpture.

II.—*Acquisitions.*

By Donation.

I. 1. Five vases of lychnites.

2. Three vases of terracotta, made by hand.

1. 2. *From primitive tombs in Antiparos.*
Presented by J. Theodore Bent, Esq.

II. 1. Cylindrical marble base, having eight female figures in relief. Inscribed Ζώπυρος Ζωπύρου τὸν οἶκον Ἑστίᾳ καὶ τῷ δάμῳ.

2. Drum of a fluted marble column.

3. Unsculptured block of granite.

These objects were brought to England by Lord Spencer. (Michaelis, Ancient Marbles in Great Britain, p. 716.) *Presented by Miss Beaumont.*

III. 1. Limestone coin-mould. *Rome.*

2. Terra-cotta vase, inscribed ΘΕΤΗΣ. *Smyrna.*

3, 4. Rosette and female figure of terra-cotta gilt.

5. Bronze spike.

6. Plasma intaglio, bird.

7–10. Four bronze dice.

11. Marble bust of Antinous.

12. Fragment of painting on panel inscribed ΕΛΡΑΠΙ. *Fayoum.*

Presented by the Rev. G. J. Chester.

IV.—1. Cup of glazed ware; the outside green, with ivy-wreath in relief; the inside yellow. *Greek Islands.*

2, 3. Iron sword and iron spear-head. *From Spain.*

4. Fragment of green glazed ware, with figure of Hercules in relief. *Baths of Caracalla, Rome.*

5, 6. Two Roman seal-cases in bronze.

Presented by A. W. Franks, Esq., C.B.

V.—1–3. A series of fragments of pottery, stucco, and vitreous substance. *Tiryns.*

4. Fragment of pottery (Mycenæan ware). *Athens.*

Presented by A. H. Smith, Esq.

VI.—1–10. Ten wreaths and bunches of flowers including myrtle, roses, henna, immortelles, sweet marjoram, nightshade, chrysanthemum, water-lilies, &c.

From Greek tombs in the Egyptian Fayoum. Presented by H. Martyn Kennard, Esq.

VII.—1. Archaic antefix with female head in painted terra-cotta. *Excavated by Lord Savile at Civita Lavinia (Lanuvium). Presented by Lord Savile,* G.C.B.

VIII. Crater, with red figures on black ground: a banquet scene. *Rhodes. Presented by Sir Henry Layard,* G.C.B.

IX. Fragment of mould for a bowl with relief representing a Satyr pouring wine. *Arezzo. Presented by Dr. Allen Sturge.*

X.—1. Porcelain horse's head.

2. Small lead vase.

3. Small lamp of black ware.

1–3. *From Tell Basta. Presented by the Egypt Exploration Fund.*

XI. –1. Marble *stelè* with relief representing Apollo Musegetes, Artemis and Zeus. Below, in low relief, a *symposium* of six persons, before whom a nude female figure dances to a musician playing on double flutes and having a *scabellum* under foot. On the right a grotesque figure in Phrygian cap, with flutes, and an attendant drawing wine. (cf. Lüders, *Dionys. Künstler*, pl. 2). Inscribed, Διῒ ὑψίστῳ κ(αὶ) τῷ χο[ρῷ] Θαλλὸς ἐπώνυμος τὸν τελαμῶνα ἀπέδωκα. (Rev. Arch. 1891, p. 10.)

2. Marble *stelè* with relief: scene of sacrifice, below which is a Greek inscription much injured. (Rev. Arch. 1891, p. 11.)

3. Marble *stelè* with relief. Cybelè seated beside an altar, and draped figure of worshipper. (Rev. Arch. 1891, p. 12.)

4. Fragment of marble *stelè* with relief which has represented the sacrifice of a ram at an altar, and lower part of draped figure of Apollo. Inscribed, Ἀσκληπιόδοτος Διφίλου Ἀπόλλωνι Ταδοκωμείτῃ εὐχήν. (Rev. Arch. 1891, p. 12,)

5. Fragment of marble *stelè*. Banquet scene. Inscribed, ... νου χαῖρε. (Rev. Arch. 1891, p. 12,)

6. Fragment of marble *stelè* which appears to have represented a female figure bringing offerings to a seated goddess. (Rev. Arch. 1891, p. 12.)

1–6. *From Cyzicus. Presented by M. A. Van Branteghem.*

XII. Ionic marble capital. *Ephesus.*

Presented by A. J. Copeland, Esq., F.S.A.

XIII.—A series of objects excavated at *Polis-tes-Chrysokhou, in Cyprus*:—

1. Limestone capital of column, formed of palm leaves (Journal of Hellenic Studies, XI., p. 28, fig. 4.).

2. Limestone block, inscribed in Cypriote, with the epitaph of Creon, son of Gillikos (*ibid.*, XI.,p. 64, No. 6).

3. Limestone slab, inscribed in Cypriote, with the epitaph of Timoanassa (*ibid.*, p. 69, No. 14).

4. Marble fragment of a Greek inscription (*ibid.*, p. 74, No. 18).

5. Fragment

5. Fragment of Latin inscription.

Gold, Silver, and Bronze.

6, 7. Pair of bronze bracelets, each terminating in two ram's heads, gilt (*ibid.*, pl. V. 1).

8. Cylindrical amulet-case of gold, with palmettes (*ibid.*, pl. V., 4).

9. Gold pendant in form of Sphinx, with chain (*ibid.*, pl. V., 7).

10—13. Three gold pendants with granulated patterns (*ibid.*, pl. V., 5).

14. Mouthpiece of beaten gold (*ibid.*, pl. V., 8).

15. Bronze arm of a statuette.

Glass, &c.

16. Phœnician glass *alabastron* in blue and white.

17—18. Ring with hollow bezel, and scaraboid with lion devouring bull.

19. Steatite scaraboid engraved with rude signs.

Pottery.

20. *Pinax* with figure of Sphinx (*ibid.*, p. 41, fig. 7).

21. *Lekythos.* Winged female and four other figures (*ibid.*, p. 43, figs. 8a, 8b).

22. *Kylix.* Horseman and youth (*ibid.*, p, 45, fig. 10).

23. *Kylix.* On each side a galloping Centaur.

24. *Kotylè*, red-figured : man with *thyrsos* and Nymph with torch.

25. Polychrome *lekythos.* Adonis (?), Aphroditè and Nymphs (*ibid.*, pl. IV.)

26—27. *Askos.* Seilenos and bull. *Askos*, with lion, the head being in relief.

28—30. Two *kylikes* and a deep cup with votive wreath painted in white.

31—47. Seventeen vases of local fabrics.

Terracottas.

48. Draped figure reclining on couch.

49. Draped figure seated.

50. Figure standing beside a couch, partly broken away.

51—54. Two statuettes and two heads.

Objects excavated at *Limniti in Cyprus* :—

55. Bronze statuette of warrior (*ibid.*, p. 89, fig. 9).

56. Terracotta female head (*ibid.*, p. 94, fig. 12).

Presented by the Committee of the Cyprus Exploration Fund.

XIV. Marble *stelè* with relief of a draped female figure, inscribed Ἐπιγόνα Μοσχίωνος Μειλησία. This *stelè*, which was seen at Athens by Spon in 1675, and Fourmont in 1730, was brought to England at some unknown date, and was found a number of years ago in digging foundations at 67, New Bond Street (C.I.G., 706 : C.I.A., III., 2660.)

Presented by John Johnstone, Esq.

XV.—1. A series of fragments of pottery excavated by Mr. W. M. Flinders Petrie in *rubbish-heaps of Kahun in the Fayoum*, and ascribed to the 12th Dynasty.

2. A series of vases from the *town of Kahun*, with specimens of the Mycenæan ware.

3. Fragments of black vases, with punctured designs filled in with white, from *Kahun*.

4. Fragments of pottery with a white surface and bands of red and black, from a *tomb at Kahun*, of about 1100 B.C. (Journal of Hellenic Studies, XI., pl. XIV.)

Presented by Jesse Haworth, Esq.

XVI.—1, 2. Two *pseudamphoræ* of Mycenæan ware, ascribed to 1400 B.C. (Journ. of Hellen. Stud. XI., pl. XIV.).

3, 4. Fragment of red ware with black stripes, and funnel with cuttlefish in black on light ground, ascribed to 1200 B.C.

Excavated at Gurob, and presented by W. M. Flinders Petrie, Esq.

XVII.—1. Fragments of vase, painted with late Greek inscription. *Egypt.*

2. Terracotta figure, playing on Pan's pipe. *Egypt.*

3. Part of terracotta figure holding cone ; painted white and black.

Presented by W. M. Flinders Petrie, Esq.

XVIII. Fragment

XVIII. Fragment of fresco-painting. Figure of gryphon. *From Capri.*

Presented by G. Donaldson, Esq.

By Purchase:

I. *Marble.* Primitive figure. *Amorgos.*

II. *Bronze.* Vase in form of pomegranate. *Delphi.*

Eight *fibulæ* with incised designs. *Found near Rome.*
Mirror. *Bologna.*
Circular object, from harness (?). *Bologna.*
Boss of shield. *Perugia.*
Pair of bracelets. *Megara.*
Mace-head. *Found near Rome.*
Necklace with pendants.
Statuette of Psychè, with torch and butterfly's wings. *Egypt.*

III. *Terracotta.*

Group: Nude female figure, crowning a term of Dionysos. *Asia Minor.*
Model of a Roman chariot. *Alexandria.*
Statuette: Europa on bull. *Greece.*
Group: Seilenos carrying wine-jar, and leading boy Dionysos by the hand. *Greece.*
Statuette. Half-draped female figure leaning on pedestal. *Greece.*
Statuette. Boy seated beside term. *Greece.*
Statuette. Winged Victory with *tænia*. *Greece.*
Statuette. Sphinx seated. *Greece.*
Two masks of comic actors. *Fayoum and Cumæ.*
Antefix. Horned head of River God. *Taranto.*
Two seals. *Taranto.*
Male head. *Smyrna.*
Mould, for a human figure. *Taranto.*
Fragment of relief. *Amphora* on column. *Taranto.*
A series of disks from *Taranto*, about $2\frac{1}{2}$ in. to 3 in. in diameter: (1.) Inscribed, ΗΜΙΟ; (2.) Inscribed ΔΥΟΤΡΙ; (3.) with figure of satyr as Herakles; (4.) ornamental pattern; (5.) figure of Victory carrying wreath; (6.) figure of Taras on dolphin; (7, 8.) uncertain designs; (9.) Sphinx; (10.) owl.

IV.—*Pottery and Porcelain.*

Vase, with figures of the nautilus and of sea-weeds growing in the sea. The ware resembles that of Mycenæ, but the subjects are more naturalistically treated. *From Erment above Thebes, Egypt.*
Fragment of archaic plaque, with black figures. *Athens.*
Green-glazed figure of pig. *Cairo* (?)

See also CARLISLE COLLECTION, *infra.*

0.81.

V. *Silver, &c.*

A second portion of the silver service found in 1883, at *Chaourse, near Montcornet (Aisne), France.* The first portion was described in the Return for the year 1889, p. 41. The whole service is now in the British Museum.

1. *Patera*, with relief in centre, partially gilt. Mercury between a ram and a cock (Gazette Archéologique, 1884, pl. 36; Trésor de Chaourse, pl. 9, No. 29).

2. Bowl, with floral design chased on rim (Gazette Archéologique, 1884, pl. 36; Trésor de Chaourse, pl. 7, No. 25).

3. Bowl, somewhat similar to the preceding (Gazette Archéologique, 1885, p. 330; Trésor de Chaourse, pl. 6, No. 23).

4. Ribbed dish (Gazette Archéologique, 1885, p. 328, fig. 25; Trésor de Chaourse, pl. 4, No. 19).

5. *Situla* with handle (Gazette Archéologique, 1885, p. 335).

6. Wine-strainer (Gazette Archéologique, 1885, p. 317; Trésor de Chaourse, pl. 1, No. 16).

7. Bowl, with patterns beaten from the outside (Gazette Archéologique, 1884, pl. 35; Trésor de Chaourse, pl. 5, No. 21).

8, 9. Two similar bowls in fragmentary condition.

10. Deep cup, plain (Gazette Archéologique, 1885, p. 329, No. 16; Trésor de Chaourse, pl. 1, No. 3).

11. Fragment of a similar cup.

12. Small shallow cup.

13–19. Three flat dishes and four small bowls, with *astragalus* borders.

20. Statuette of Fortune, with pedestal (Trésor de Chaourse, pl. 2, No. 31).

The following objects were found with the silver service:—

21. Fragment of blade of knife and handle, made from antler of deer.

22. Bronze rivet.

23–28. Six brass coins of Trajan, Hadrian, Domitian, M. Aurelius and Postumus.

29. Fragments of a bone flute.

VI. *Lead, &c.* Figure of a horse with late Greek inscription. *Epidaurus.*

Fragments of three tablets with imprecations. *Athens* (?)

Large

Large series of tablets with imprecations. *Curium, Cyprus.* (Proceedings of Society of Biblical Archæology, January 1891.)

Talc. Fragments of talc, inscribed with imprecations. *Curium, Cyprus.*

Wood. Bust of a female figure painted on a panel. *From Rubiet in the Fayoum.*

Ivory. Theatre ticket, in form of scallop-shell, inscribed VI. *Pozzuoli.*

Theatre ticket, inscribed VIII.

See also CARLISLE COLLECTION, *infra.*

VII. *Engraved Gems: Cameos.* Onyx. Ajax seizing Cassandra at altar of Athenè.

Onyx. Hand twitching ear; string of beads and inscription, *μνημόνευέ μου τῆς φιλίας ὅπου πότε* [*γῆς πορεύεις* ?] *Cyzicus.*

Shell. Male figure, with stone raised in both hands above head. *Tartûs.*

Crystal theatre ticket, circular, inscribed XIIII. *Pozzuoli.*

Crystal cockle-shell. *Reggio, Calabria.*

See also CARLISLE COLLECTION, *infra.*

VIII. *Engraved Gems: Intaglios.* Hæmatite lenticular stone. Two men seize a bull by the horns, one of the figures being seen in the field above the bull's back. Arch. Anzeiger, 1890, p. 69; Rev. Arch. 1890, p. 240.)

Steatite lenticular gem. Stork with eel; above, dolphin. *Galaxidi.*

Steatite circular gem. Obv., running figure; rev.. Pegasos and branch.

Steatite conical gem. Rude *Gorgoneion.*

Sard scaraboid in gold setting. Bearded satyr carrying a wineskin. Fine Greek work. *Athens.*

Chalcedony scaraboid. Herakles stands with his foot resting on the dead body of the Nemean lion. A Nymph, probably Nemea, brings a vase of water; above, a Victory holds out a wreath. Fine Greek work. *Found in the Punjaub.*

See also CARLISLE COLLECTION, *infra.*

A. S. Murray.

Department of British and Mediæval Antiquities and Ethnography.

I.—*Arrangement.*

Prehistoric Saloon. In consequence of the electric lighting, glazed openings had to be made in the tops of the wall-cases containing the Late Celtic antiquities. This operation necessitated the removal of the contents of the cases, and the opportunity was taken to re-arrange them.

The bronze antiquities lent by Mr. Layton have been arranged in a table case, and each specimen has been labelled.

The bust of Mr. Henry Christy has been placed upon a marble pedestal and labelled. A number of tablets in the case of Lake antiquities have been labelled. Forty-six locks have been altered to the new suite.

Mediæval Room. The contents of two table-cases have been transposed and re-arranged, to make room for new acquisitions.

Anglo-Roman and Anglo-Saxon Rooms. Locks of the new suite have been placed on all the wall-cases of this room. The more fragile specimens were removed during the operation. Additional wall-cases have been erected in the Saxon Room, which was necessarily closed for a time, and a selection of the contents of the room was temporarily exhibited in the Greek and Roman department. The whole of the wall-cases have now been re-numbered consecutively.

The Gowland Collection of ancient Japanese and Corean pottery has been arranged in the Asiatic Saloon.

A number of Wedgwood medallion portraits have been labelled.

Ethnographical Gallery. The space obtained in the American section by the removal of the antiquities into the adjoining room has been cleaned, refitted where necessary, and considerable progress has been made in extending the modern American section to fill up the space, and when the arrangement is completed, it will be found that the cases are amply filled. The African section has been slightly extended on both sides of the gallery, and the Micronesian specimens have been removed and re-arranged, and in the cases vacated by the latter has been arranged the collection received as a permanent loan from the London Missionary Society.

The central case received from the Egyptian and Assyrian Department has been altered, painted, and placed in position, and in it have been arranged the Torres Straits specimens. The large central case of canoes has been cleaned, the specimens examined and re-arranged, with additions. A central case has been devoted to the larger objects from Samoa and the Pelew Islands, and a series of lime spatulas from

from New Guinea has been arranged as a separate series in a central case. The tops of the wall-cases and the specimens upon them have been twice cleaned, and two trophies have been cleaned and mounted afresh. Temporary fittings have been made for Japanese ivory carvings, and fourteen stands have been made for feather ornaments from Guiana.

American Room. The arrangements of this room have been completed as far as the present accommodation will admit. All the archæological remains from the American continent have now been removed into this room and arranged geographically; a temporary arrangement has been made of the Peruvian remains other than pottery, which are destined to occupy some cases yet to be erected.

The locks of the wall-cases have been altered to the new suite, and the cases numbered consecutively.

The Arabic inscriptions in the department have been examined and partly deciphered; the identification of the early acquisitions of Indian sculpture has been begun, and the Egyptian race casts have been arranged for framing, and a sample frame has been made.

The registration has been continued, and 1,778 objects have been registered.

One hundred and seventy-nine ethnographical specimens have been described for the permanent Slip Catalogue, with a drawing of each object.

Six hundred and three card labels with duplicates, and 232 headings, have been printed with the hand-press in the department. Seventy-one mounting boards have been papered, and 454 antiquities mounted.

Six hundred and eight enamels have been catalogued, as well as 777 matrices of seals.

Forty matrices of seals have been mounted on tablets with impressions at their sides.

II.—*Acquisitions.*

(1.) *Early British and Prehistoric Antiquities:—*

A palæolithic flint implement from Hackney, and five flint arrowheads from Redhill, Surrey, presented by the Rev. William Baker.

An urn and other objects excavated by the late T. W. U. Robinson, Esq., F.S.A., and Canon Greenwell, in a barrow at Copt Hill, near Houghton-le-Spring, county Durham, presented by Mrs. T. W. U. Robinson. A drinking cup and lignite beads, from a barrow near Brighton, presented by A. W. Franks, Esq.

Flint knives of peculiar form, found near Cullybackey, county Antrim, presented by the Rev. G. R. Buick. Minute flint implements found by the donor on a neolithic floor near Rochdale, Lancashire, presented by H. Colley March, Esq., M.D.

Jet necklace and flint scraper found in a cairn at Melfort, Argyleshire. Collection of stone and bronze implements and a gold ring, found in Ireland. Three bronze celts from Ireland.

Among the foreign additions to this section the following may be mentioned:—

A choice series of stone and flint implements from Denmark, and three bronze palstaves from the Continent, presented by the Right Honourable the Earl of Derby, K.G.

A fine bronze sword, believed to be the one found at Alies, Commune de Menet, Auvergne, and described in the "Revue Archéologique," N.S. vol. xxiv., p. 337, formerly in the Gréau collection; presented by Mrs. T. W. U. Robinson. Bronze dagger and palstave found near Allstedt, Weimar, presented by William Mitchell, Esq.

A hoard of bronze implements found in the bed of the Seine at Charenton, and an elaborate bronze collar from Denmark.

Iron sword of Late Celtic type found at Solmona, province of Aquila, Southern Italy, and seven iron weapons from Spain, presented by A. W. Franks, Esq.

A number of flint implements, excavated by W. M. Flinders Petrie, Esq., at Tell Hesy, the ancient Lachish, presented by the Palestine Exploration Fund; and a selection of bronze arrowheads from Defeneh (Daphnæ), in Egypt, presented by the Egypt Exploration Fund.

A collection of flint cores and flakes from the Rohri Hills, Upper Sind, on the left bank of the Indus, presented by J. G. Single, Esq., C.E.

Three stone axeheads, and a string of beads, from Lohadugga, Chota Nagpore, India, presented by W. H. C. Driver, Esq. A collection of stone implements, shell ornaments, and pottery, obtained in Siam and Cambodia by Monsieur L. H. Jammes.

(2.) *Anglo-Roman*:—

A vase of pottery, found at Snape, Suffolk; presented by C. H. Read, Esq., F.S.A.

(3.) *Anglo-Saxon, British Mediæval, &c.*:—

Saxon glass cup found at Bourne, Kent, presented by A. W. Franks, Esq. An iron sword and two bronze brooches from a grave at Lyminge, Kent, presented by the Rev. Canon Jenkins.

Bone plaque, inscribed with runes, and believed to have been found in Derbyshire; presented by A. W. Franks, Esq., and a silver brooch found near Omagh, co. Tyrone.

Matrix of the seal of the Society of Chirurgeons of London, found on the battle field of Newbury. Steelyard weight with the arms of the Duke of Cornwall, etc., presented by Edwin Kemp, Esq.

Five religious carvings in alabaster, one of them with the head of St. John Baptist. Hone-stone matrix for casting leaden

leaden figures of St. Thomas of Canterbury, found near Hull, and presented by John Symons, Esq.

Jet figure of St. James; ivory portrait of Charles II.; portrait of Sir Robert Walpole, carved in wood; portrait of Sir William Hamilton, enamelled by W. H. Craft, 1802; medallion in marble of Charles Edward Stuart; four ivory counter-boxes with the arms of Queen Anne, by whom they were said to have been given to the Duchess of Marlborough; three other ivory boxes, of which two bear subjects relating to the births of Prince Charles Stuart and his brother Henry; metal boxes with portraits of English monarchs and the victories of the Duke of Wellington, and a box of coin weights made for Henry, Earl of Worcester, who died in 1646. All presented by A. W. Franks, Esq.

Gold watch made in London by Cabrier, with enamel on the case, and badge of the Anti-Gallican Society; presented by Lady Charlotte Schreiber.

(4.) *Early Christian, Byzantine, Foreign, Mediæval, &c.:—*

Christian tombstone for Leuboricus, from Amiens; presented by John Evans, Esq., D.C.L., P.S.A.

Boss of a Lombardic shield; bronze plaque with figure of St. Theodore, and a leaf of a Byzantine ivory triptych.

Six Russo-Greek devotional tablets in bronze, partly enamelled, and 214 pilgrims' medalets of more modern date, presented by the Rev. W. Sparrow Simpson, D.D., F.S.A. Iron ecclesiastical crown, made at Kief in Russia; presented by A. W. Franks, Esq.

Italian bronze plaque with the Holy Trinity; another with St. Sebastian; alabaster statue of the Virgin and Child, of the 15th century; two steatite figures, and a marble head of an angel, by Benedetto da Rovezzano; all presented by Henry J. Pfungst, Esq.

Enamelled ornaments of a bridle; circular Limoges plaque of the Penicaud school, representing the Martyrdom of St. Margaret; small enseigne in Limoges enamel with a combat of warriors; Flemish enamelled roundel with arms of Antoine de Lens; two specimens of Nürnberg pewter; Dutch knife and fork with handles in amber, terminating in busts, and dated 1689; and seven metal boxes containing views, portraits, &c., connected with history; all presented by A. W. Franks, Esq.

French personal seal of the 14th century, presented by Albert Hartshorne, Esq., F.S.A.; silver seal of Stephen, King of the Servians, and ten matrices of seals; presented by A. W. Franks, Esq. Six matrices of seals, including that of Jacobus, Bishop of Sagona, in Corsica, and several specimens from the East.

Portraits in tortoiseshell of Henry IV. of France and the Duc de Sully; four watches, of which one made by Jean

Baron, Utrecht; another by Felicetti of Naples, with an enamelled case by Bouvier; a third by Le Roy, Paris, with enamelled case by Cochin; the fourth, set with marcasites, made by Thuillier, Geneva, and part of a watch case, enamelled by Bouvier; all presented by Lady Charlotte Schreiber.

Silver-gilt watch by George Seydell, of Cöln an der Spree; sun-dial of novel form, with the arms of Dietrichstein, 1647; tower-shaped dial made by Ulrich Schniep of Munich, 1567; planisphere, made A.D. 1270, by Ibrahim of Damascus, and a Persian sun-dial.

Two ivory figures, of Portuguese work, representing the Blessed Virgin and St. John, presented by H. H. Howorth, Esq., M.P. Portion of an ivory writing tablet of the 14th century, with figures of saints.

German draughtsman, with portrait of Henry IV. of France; presented by H. Montagu, Esq., F.S.A. Two ancient chessmen from Italy and an Arab chessman.

Box with scales and weights, made in Holland for money changers; presented by J. Edge Partington, Esq., F.R.G.S.

Ivory knife-handle and two pewter salt-cellars; presented by Henry Willett, Esq., F.G.S.

[The Renaissance gems and jewellery acquired with the Carlisle Collection are noticed in another section of this report.]

(5.) *Ceramic and Glass Collections*:—

(a.) *Chinese and Japanese Porcelain.*—Additions have been made to the Franks Collection, among which may be mentioned a red vessel in the form of a bat, and various specimens of Chinese and Japanese porcelain decorated in Europe, a class reserved in the gift of the main collection.

The most valuable addition consists of twelve specimens of Chinese porcelain, which the donor allowed to be selected from his extensive collection of this nature, and which are of unusual excellence. They consist chiefly of egg-shell porcelain, and include a saucer dish painted with quails, and with a yellow border; another with ruby back, exquisitely painted with flowers, and several very fine cups and saucers; presented by the Hon. Robert Meade, C.B.

A plate painted in China, with a view of Admiral Vernon taking Portobello "with six ships only," presented by Henry Willett, Esq., F.G.S. Two Chinese cups with Christian subjects, presented by Isaac Falcke, Esq.

(b.) *Continental Pottery.*—Jug of Damascus ware, presented by Lady Charlotte Schreiber. Two Damascus dishes, Persian narghileh, and a Rhodian dish, with figure of the Blessed Virgin; presented by A. W. Franks, Esq. A wall-tile of Anatolian ware, with figure of a Christian saint, presented by Osbert Salvin, Esq. Three fragments of tiles from the Mosque

Mosque of Omar; presented by J. Edge Partington, Esq., F.R.G.S.

Majolica jug of Caffagiolo ware, dish of Italian style made at Narbonne, two dishes of Winterthur majolica, two specimens of Spanish majolica, a Nürnberg jug, and eight pieces of German stoneware; all presented by A. W. Franks, Esq. Dutch delft dish, with figure of William III. as a child, 1661, presented by H. H. Howorth, Esq., M.P. Rhenish stoneware jug, presented by J. W. Mitton-Watson, Esq. Spanish tile, presented by Senhor Neville, of Lisbon.

Three terra-cotta medallions, with portraits of Voltaire, the Empress Katherine of Russia, and Benjamin Franklin; presented by Lady Charlotte Schreiber.

(c.) *English Pottery and Porcelain.*—A very important addition has been made to the English series by the gift of J. E. Nightingale, Esq., F.S.A. These consist of sixteen specimens of Bristol porcelain, and one of Plymouth, including two hexagonal vases, a biscuit plaque with a portrait of Washington, another with a coat of arms, two sceaux, and various cups and saucers, &c. Among the latter is one decorated in camaieu on a chocolate ground, made by Champion under the advice of Edmund Burke (at the time M.P. for Bristol), to be submitted to the House of Lords, when he succeeded in renewing his patent in 1775, in opposition to Wedgwood and the other Staffordshire potters. Most of these specimens are illustrated in Owen's "Two Centuries of Ceramic Art in Bristol."

The Franks Collection has received some important additions, among which the following may be noticed, viz.: A Chelsea vase, with detached stand, painted with mythological subjects, with turquoise ground, from the collection of the Earl of Craven, a large oval plaque of Bristol biscuit porcelain, with a portrait of Benjamin Franklin, surrounded by a wreath of raised flowers (engraved in Owen's "Two Centuries, etc.," p. 92), another with the arms of Harford (same work, p. 91), and a vase with cameo subjects by Turner.

A Bristol delft bowl, with a figure of Prince Charles Edward, dated 1749; presented by Alexander Christy, Esq. A black medallion portrait of Franklin, by St. Aubin, after Cochin, believed to have been made by Neale & Co., presented by John Evans, D.C.L., P.S.A. Jug of "slip" ware made at Donyat, near Ilminster, Somerset, presented by William Edkins, Esq. Two Wedgwood chess-pieces of sage-green ware, presented by W. J. Stuart, Esq.

(d.) *Glass.*—A large opaque blue scarabæus, with the name of Sheshonk II., and a hawk in mosaic glass; presented by A. W. Franks, Esq.

Two Egyptian bottles from Gurob, near Illahun, and various objects found with them, and dating from the XVIIIth

dynasty, and therefore of great importance, as helping to settle the chronology of glass-making; presented by W. M. Flinders Petrie, Esq. Two Egyptian bottles, also from Gurob, of the time of Rameses II., presented by Jesse Haworth, Esq. Glass bottle in its original wrapping of leaves, excavated by Mr. Flinders Petrie at Hawara, in the Fayum, and presented by H. Martyn Kennard, Esq.

Two bottles of the Roman period, found in Babylonia; eleven specimens of the same period from a tomb at Gurob, near Illahun, Egypt.

Three vessels, including a cup inscribed ΕΥΦΡΟΣΥΝΗ, found in Cyprus, and presented by the Cyprus Exploration Fund.

Bottle, vase, two enamelled flower vases, and a carpet weight, presented A. W. Franks, Esq. Pieces of glass for inlaying, from a mosque at Cairo, presented by Henry Wallis, Esq. Nine pieces of glass of the Arab period, found in Syria.

English goblet with a sixpence of Queen Anne (1707) in the stem, Dutch inscribed glass, and two Chinese snuff-bottles; presented by A. W. Franks, Esq.

(6.) *Oriental and Ethnographical*:—

A bas-relief obtained by L. White King, Esq., at Hashtnagar, Peshawur, and which formed part of the pedestal of a statue of Buddha. It represents Buddha seated, with votaries making offerings, and is of great interest, as having on it a line of inscription (the first yet found in this style), with the date 274. The era is not certain, but the year named must be between A.D. 214 and 352.

A Valabhi grant inscribed on a copper-plate of the reign of Guhasena, dated Samvat 248=A.D. 566. Indian steel helmet inlaid with silver, and an Indian sword; presented by A. W. Franks, Esq.

Two Indian terra-cotta beads, from Kapila Vasta, presented by Mrs. Churcher. Four earthenware vessels, containing figures of the naga, or snake, found at Mihintale, Ceylon, in an ancient tank, and presented by the Hon. Sir Arthur Gordon, G.C.M.G. Five clay seals from Ceylon, inscribed with a Buddhist formula, presented by the Right Hon. Sir William Gregory, K.C.M.G.

Four specimens of Chinese cloisonné enamel, three Chinese translucent enamels on silver, and a Japanese enamelled bowl and cover; presented by A. W. Franks, Esq. A Japanese enamelled tray, presented by E. Gilbertson, Esq. Section of a cable made of human hair, the votive offerings of Buddhists to the Temple of Hongwanji at Kiôto, presented by the Rev. P. Marshall and the Buddhist priest Hiramatsu Rei.

Two specimens of hand-made pottery from the Canary Islands; presented by G. E. Dalton, Esq.

Amulet of ichneumon skin from Lake Nyassa, presented by the Rev. Leonard O. Warner. Collection of specimens obtained by missionaries in the Congo District, presented by the Baptist Missionary Society.

Set

Set of ivory armlets worn by women in the interior of Borneo; presented by Lady Brooke, Ranee of Saràwak.

Kite of palm leaves from Santa Maria, Banks' Islands; presented by the Rev. J. Palmer. The case of the chronometer on board the "Bounty," when seized by the mutineers; given to the late Mr. Carleton by the Norfolk Islanders, and presented by Miss Carleton.

Ancient bronze implement from Peru, presented by John Evans, Esq., D.C.L. A modern Mexican plate of lustred ware, presented by E. C. Moore, Esq.

A large and important collection from the North West and Arctic America, collected by the donor during his expedition in those regions; presented by the Earl of Lonsdale.

III.—Christy Collection.

Four hundred and fifty-nine additional slips have been prepared for the Registration Catalogue, with careful sketches of the objects.

The following donations have been received by the Christy Trustees, and by them transferred to the Trustees of the British Museum:—

1. *Prehistoric Antiquities of Europe, Asia, and Africa:—*

Palæolithic implements from the Drift in Suffolk, an axe-hammer from Stanton Moor, a neolithic grinding-stone from Eastbourne, a pierced hammer and a polished flint axe from the Thames; presented by A. W. Franks, Esq.

An interesting series of celts, arrowheads, and flakes of neolithic period, and a number of plaster casts of implements of rare type, from Portugal; presented by Major J. F. Nery Delgado, of Lisbon.

Three stone axes from Auvergne and one from Carcassonne, France, and two serrated flint spear-heads from Zealand, Denmark; presented by A. W. Franks, Esq.

A stone celt from Skipsia in the Troad; presented by the Rev. Greville J. Chester.

A number of stone and obsidian implements, specimens of pottery, and other remains from kitchen-middens in Japan and Yezo; presented by John Anderson, Esq., M.D.

Seven stone implements from South Africa; presented by J. P. Rothwell, Esq.

An unusually fine flint dagger and two arrowheads of the XVIIIth dynasty, from Tell el Amarna, and six stone implements of the XIIth or XIIIth dynasty, from Kahun, presented by A. W. Franks, Esq.

Two granite pivot-stones from Kahun, and flint implements from Birket el Kurun and Kahun, presented by W. M. Flinders Petrie, Esq. A series of flint implements from Jebel Sheikh Embarak, Upper Egypt; presented by the

Rev. Greville J. Chester; and a similar series from the same locality, presented by H. Swainson Cooper, Esq., F.S.A.

2. *Ethnography of Africa*:—

An Egyptian pigeon trap from Mattrak, and a Bishari Arab basket; presented by the Rev. Greville J. Chester. An Egyptian woman's veil (borko), presented by J. Edge Partington, Esq., F.R.G.S.

An ancient Egyptian boomerang, engraved with hieroglyphics; presented by A. W. Franks, Esq.

Fragment of a pottery vase with figure in relief, from West Africa; presented by Edward Cunnington, Esq.

A collection of ornaments, weapons, and articles of dress, from the tribes of the Zambesi, collected by Mr. J. T. Last, and presented by A. W. Franks, Esq.

An ivory armlet of rare form, stated to be from the Masai, of Eastern Africa; presented by Charles Heape, Esq.

A number of specimens from the Congo, and a silver necklace from Madagascar; presented by A. W. Franks, Esq.

3. *Ethnography of Asia*:—

Figure of a Chinese beggar, made of sun-dried clay at Tientsin; presented by J. Edge Partington, Esq., F.R.G.S.

A series of arms, ornaments, etc., from the tribes of Siam, Cochin-China, and Cambodia, and an engraved steel helmet and shield of Persian work; presented by A. W. Franks, Esq.

A knife and dagger from the Bushgali Siah Posh Kafirs; obtained by exchange with the Museum at Florence.

Women's belts from Ceram, and specimens of hair from Timor Laut; obtained by exchange with the Zoological Society of Amsterdam.

4. *Ethnography of Oceania and Australasia*:—

A carved wooden spear from New Zealand; obtained by exchange with the Peel Park Museum, Salford.

A toggle in the form of a human figure, of whale ivory, and a fish-hook, from New Zealand, presented by C. H. Read, Esq., F.S.A. A number of stone adze blades of unusual size and form, an ancient bone *meré*, from New Zealand, and a considerable number of specimens from New Guinea and the other islands of the Pacific; presented by A. W. Franks, Esq. A fish-hook from Hawaii, presented by W. J. Stuart, Esq.

Three specimens from Fiji, presented by the Baron Anatole von Hügel. Articles of dress from Fiji, and a flat armlet of tridacna shell from the Solomon Islands, presented by J. Edge Partington, Esq., F.R.G.S. A number of arrows from Santa Cruz, presented by Alan Lister-Kaye, Esq.

5. *Antiquities and Ethnography of America*:—

An ancient Mexican ornamental ring of green quartz; presented by A. W. Franks, Esq.

An axe-blade of stone of unusual dimensions and form, portion

portion of a skull with the teeth ornamented with gold studs and other objects, all from Ecuador, and presented by A. W. Franks, Esq.

Three polished stone axes from Tobago, presented by James Hamilton, Esq.

An axe-blade and block of jade from Lilloet, British Columbia, and a necklace of antelope hoof from the Sioux; presented by A. W. Franks, Esq.

A Zuñi missile club; obtained by exchange with the Museum at Florence.

A club from Guiana; presented by J. Edge Partington, Esq., F.R.G.S.

Augustus W. Franks.

The Carlisle Collection.

Out of the grants for the two financial years, 1889–90 and 1890–91, an important series of antiquities has been purchased from the Earl of Carlisle, and divided between the Department of Greek and Roman Antiquities and the Department of British and Mediæval Antiquities and Ethnography. The latter department received the gems that were professedly Renaissance or modern, together with a few specimens chiefly noteworthy for the beauty of the settings.

The collection of engraved gems, which forms the most important part of the purchase, was made by Henry Howard, fourth Earl of Carlisle (1694–1758). A letter of Horace Walpole to Richard West, written from Rome, May 7, 1740, describes the manner in which a part of the collection was acquired.

"There are now selling no less than three of the principal "collections, the Barberini, the Sachetti, and Ottoboni: the "latter belonged to the cardinal who died in the Conclave. "I must give you an instance of his generosity, or rather "ostentation. When Lord Carlisle was here last year, who "is a great virtuoso, he asked leave to see the cardinal's "collection of cameos and intaglios. Ottoboni gave leave, "and ordered the person who showed them to observe which "my Lord admired most. My Lord admired many: they "were all sent him next morning. He sent the cardinal back "a fine gold repeater; who returned him an agate snuff-box, "and more cameos of ten times the value. *Voilà qui est fini!* "Had my Lord produced more gold repeaters, it would have "been begging more cameos."

The gems in the Carlisle collection which are known (from Stosch, "Gemmæ Antiquæ Cælatæ," 1724) to have belonged to cardinal Ottoboni, are Nos. 25, 37, 53 in the following list.

The collection is of importance, not only on account of its fine cameos and intaglios of undoubted authenticity, but also because it contains several specimens with reputed artists' signatures which have been the subject of controversy among archæologists.

I.—Greek Vase.

Fictile *crater*, with a painting signed by the artist Python. Alcmena is seated on a pyre, to which fire is put by Amphitryon and Antenor. Alcmena appeals to Zeus, who is partly visible in the upper portion of the scene. He has hurled his thunderbolts at Amphitryon and Antenor, and two Hyades pour water to extinguish the flames. The vase also contains a remarkable representation of a rainbow, and drops of rain falling on the pyre (Nouvelles Annales, 1837, pl. 10; Journ. of Hellen. Studies, XI., p. 225, pl. vi.). On the reverse is a scene of Dionysos and Mænads (Journ. of Hellen. Studies, XI., pl. vii.).

II.—Engraved Gems.

1–77. *Greek and Roman Cameos*:—

1. Large sardonyx: bust of Julia, daughter of Augustus, as Diana, with quiver behind shoulder; wears diadem (*sphendonè*), earring, and drapery on bust. Height 5 in. [For coin of Julia in this character, see Bernoulli, Röm. Iconogr. II., p. 127; pl. 32, No. 15.]

2. Large sardonyx: busts of Julia, daughter of Augustus, as Minerva, and of Livia as Juno, both in profile to right. Julia, in the upper layer of the stone, wears helmet, ægis, and drapery; Livia wears diadem (*sphendonè*) and drapery. This gem has been broken and mounted on an agate back. Height, exclusive of backing, 3 in.

3. Onyx in two layers: bust of Diana in profile to right; behind, a quiver; on head a crescent; hair and drapery in the brown layer of the stone; flesh, quiver, and crescent in the bluish layer; mounted on blue enamel. Height $1\frac{3}{8}$ in.

4. Onyx, fragmentary: head of Tiberius or Augustus to front; laureate; nose restored.

5. Sardonyx: head of Julius Cæsar to right; nose injured.

6. Onyx: mask of Medusa, in the white layer of the stone; serpents knotted under chin. Diam. $2\frac{3}{8}$ in.

7. Sardonyx, small: mask of Satyr to front; bearded; ivy-wreath with two rosettes on brow.

8. Sardonyx, small: Cupid pulling goose by neck; drapery floats behind.

9. Onyx, fragmentary: Bacchus on panther to right; his left arm round its neck, the hand holding *cantharus* to mouth of panther; right hand holds *thyrsus*; head of Bacchus, his feet, and feet of panther wanting.

10. Onyx, fragmentary: Selenè (?) driving chariot to left; only one horse remains.

11. Onyx

11. Onyx in two layers, small: Venus nearly to front; drapery floating over her head.

12. Sardonyx: bust of Minerva to left; helmet and ægis on breast.

13. Chalcedony: mask of Minerva (?) wearing helmet.

14. Sardonyx: nude figure (Achilles?) seated to right, on rock, and holding lyre on left knee; right hand on rock.

15. Onyx, fragment: part of two horses to right, probably part of a group of Selenè driving, as in No. 10.

16. Sardonyx: fragment of three chariots racing to left.

17. Onyx: fragment of draped Mænad dancing to left; from knees to feet.

18. Onyx: head of Medusa nearly to front; wings in hair, snakes under chin.

19. Sardonyx: mask of Cupid to front; set in white enamel.

20. Sardonyx: fragment of group of Paris and Aphroditè (?), consisting of head and right arm of Paris, and head of goddess; above is a tree, on which is a quiver: inscribed ANT.

21. Onyx, fragmentary: Nymph lying on rocks, back view; draped round legs.

22. Onyx, fragmentary: Omphalè to right, having lion's skin, and club of Hercules; broken off at knees.

23. Onyx, fragmentary: vase with bird above: inscribed in relief, OMONOIA.

24. Onyx: Satyr to left, holding infant Bacchus on right knee, which is raised, the foot being placed on a rock, and giving him a cup.

25. Onyx: Meleager on right, standing before Atalanta, seated on left, and holding club; he holds bear's skin. Both heads were restored, and have now been removed.
Inscribed CΩTPATOY (*sic*). The gem, with the restorations removed, may be ancient, but the inscription seems modern. From the Ottoboni Collection (Stosch, Gemmæ Ant. Cæl., pl. 67; Brunn, Griech. Künstler, II., p. 585; Furtwängler in Jahrb. des Inst., 1889, p. 63.)

26. Paste, white layer on black: Nereid on hippocamp to left over sea, in which are a Cupid holding drapery of Nereid, and a dolphin.

27. Onyx: portrait head in profile to left; Roman (?).
0.81.

28. Sardonyx:

28. Sardonyx: youthful male head in profile to left; head thrown up.

29. Portrait head.

30. Sardonyx, fragmentary and rude: head of Minerva (?) in profile to left; cut down along the top, re-worked and set on slate-backing.

31. Onyx: sacrifice to term of Bacchus; three female figures, one seated and playing on double flute; two bring offerings; tree with votive tablets.

32. Onyx: Satyr supporting drunken Bacchus (?); behind, Mænad dancing; in front, Satyr holding up *rhyton*.

33. Onyx, fragment: Cupid carrying vase beside female figure who stands to front, draped and holding staff.

34. Sardonyx, fragmentary: Satyr seated to left, his right hand placed on left arm; bearded; legs from knees wanting.

35. Sardonyx: Cupid seated on ground to left, singeing butterfly with torch.

36. Sardonyx: Cow moving to left; head lowered.

37. Onyx, fragmentary; Cupid leading two she-panthers to left; they draw a chariot of which the greater part is missing, together with the figure in the chariot whose hand only remains. Inscribed CΩCTPATOY. The signature appears to have been placed in the centre of the broken gem, and is therefore probably modern. This fine cameo is no doubt ancient. From the Ottoboni Collection (Stosch, Gemmæ Ant. Cæl., pl. 66; Raspe 6731; Brunn, Griech. Künstler, II., p. 585; Furtwängler in Jahrb. des Inst., 1889, p. 63).

38. Nicolo: head of Socrates (?) in profile to right.

39. Onyx: Satyric mask, bearded, to front; mounted in enamelled ring.

40. Onyx: Leda and swan; Leda stoops to left, and holds scarf over her head.

41. Onyx: fragment showing nose, mouth, and chin of a female head.

42. Sardonyx, large fragment: forepart of cow drinking from trough at foot of tree.

43. Sardonyx, fragmentary: head of Empress in profile to right; broken off across chin.

44. Lapis lazuli: bust of Serapis, nearly in the round, wearing *modius*.

45. Onyx:

45. Onyx: head of youthful Tiberius (?) or perhaps Germanicus.

46. Paste: Female figure stooping to right, and putting off her dress over her head.

2.—Greek and Roman Intaglios :—

47. Sard: Mercury to right, holding *caduceus* in right hand, and ram's head in left. Inscribed ΔΙΟCΙ:ΟVΙ·ΙΔΟV *Διοσκουρίδου*. This gem is condemned by some writers, but is defended by Furtwängler. It resembles in style a work by Dioscorides, in the Marlborough collection (Jahrb. des Inst., 1888, pl. 8, fig. 22), known as early as 1585, and therefore free from suspicion (Natter, Méthode de Graver, pl., 28; Raspe, 2311; Brunn, Griech. Künstler, II., p. 492; Furtwängler in Jahrb.des Inst. 1888,, p. 220, pl. 8, fig. 23).

48. Dark sard: an archaistic figure of Diana, closely draped and standing to left, with hand on antler of a stag at her side. Remains of a cable border. Inscribed HEIOY. This gem has hitherto been known only from a paste of Stosch's, which is already in the British Museum (Catalogue of Gems, No. 765; Stosch, Gemmæ Ant. Cæl., pl. 36; Brunn, Griech. Künstler, II., p. 613; Furtwängler, Jahrb. des Inst., 1888, pl. 11, fig. 7, and 1889, p. 70). If the gem is the original of the paste, it has been cut down for setting after the paste had been made.

49. Onyx: Sphinx seated to right, wings raised. Inscribed HEIOY.

50. Sard: Victory to right slaying bull. Inscribed CΩCTΙΛTOY *Σωστράτου* (Natter, Méthode de Graver, pl. 29; Winckelmann, Mon. Ined. No. 103; Raspe, 7760, pl. 45; Brunn, Griech. Künstler, II., p. 586; Furtwängler in Jahrb. des Inst., 1889, p. 63).

51. Sard: Satyric mask nearly to front; fractured on top Inscribed ΔΙΟΓΕΝΗΣ.

52. Amethyst: Philoctetes standing to front, leaning on crooked staff and holding bow. Inscribed CEΛEYK.

53. Plasma head of Medusa in profile to right, with wing springing from temple. Inscribed CωCOΓΛЄ. The gem was first published with the inscription in 1669 by Canini (Iconographia, pl. 97), and afterwards by Stosch, (Gemmæ Ant. Cæl., pl. 65), with the inscription incorrectly given as CωCOKΛЄ. It must be read *Σῶσος Λε . . .*, and from its early publication it may be presumed to be genuine. From the Ottoboni Collection (Raspe, 8985; Köhler, III., p. 132; Brunn, Griech Künstler, II., p. 583; Furtwängler in Jahrb. des Inst., 1888. p. 214, pl. 8, fig. 18).

0.81.

54. Carnelian;

54. Carnelian: Cupid keeping two cocks from fighting; in his right hand wreath and palm-branch. Inscribed COMVS.

55. Plasma: head of Epicurus (?) to right. Inscribed NAЄPKOY. The inscription seems modern. (Brunn, Griech. Künstler, II., p. 622.)

56. Sard: youthful male head to left bound with diadem. Inscribed ANTONI . . . .

57. Black jasper: cow moving to right; behind stands a Cupid ploughing (?). Inscribed ΥΓΕΙΑ.

58. Sard with cable border: Achilles supporting Penthesilea to left; Penthesilea has Phrygian cap and axe; Achilles wears helmet and holds spear in left hand. Inscribed L. V. F.

59. Chalcedony: portrait head of old man in profile to right, resembling the marble head from Prienè (Antiquities of Ionia, pt. iv., pl. 20, p. 34), which, it has been suggested, may be one of the Diadochi.

60. Garnet: female portrait head in profile to right; hair braided over crown of head and fastened in small knot behind.

61. Red jasper: portrait head of Mæcenas in profile to left; draped round neck.

62. Red jasper: Hercules leading Cerberus from Hades, the mouth of which is shown; the three heads only visible of Cerberus. Hercules has club and lion's skin. (Raspe, 5888.)

63. Amethyst: portrait head, perhaps of Hadrian, in profile to right.

64. Carnelian: portrait head of young man in profile to right with slight beard and moustache, resembling the head on the large St. Petersburg cameo identified by Müller (Denkmäler, No. 226[a]) as Ptolemy the First, and by Visconti (Icon. Grecque, III., pl. 53, No. 3) as Ptolemy Philadelphos.

65. Burnt carnelian: portrait bust of Lucius Verus in profile to right.

66. Sard: Satyr kneeling to left, making wreath of ivy; behind him are the remains of the inscription ΤΕΥΚΡΟΥ which has been nearly rubbed out by polishing. Formerly in the collection of Baron Stosch (Winckelmann, Pierres de Stosch cl. II., No. 1494; Köhler, III. p. 174; Brunn, Griech. Künstler, II., p. 532).

67. Sard: Mercury standing beside altar; *caduceus* in right hand; wears *chlamys* and *petasus;* mounted in cinquecento enamel.

68. Sard: Satyr dancing to right; *thyrsus* in left hand; right

right hand raised holding up drapery; surface polished away in places.

69. Sard: Hercules (?) standing leaning on *cippus* to right; holding torch in left hand; lion's skin over shoulders; the attitude is that of Meleager, to whom the torch also would apply better than to Hercules.

70. Sard: bust of Apollo to left; before him his lyre; slight drapery on shoulder; shoulders seen in back view.

71. Sard: bust of Apollo to left; in front, lyre; laureate; draped on breast; top of head restored in gold.

72. Sard: Bacchus seated on panther, with right arm round its neck, the hand holding *cantharus* to mouth of panther; same subject as the cameo No. 9, *ante*, from which this gem has probably been copied.

73. Amethyst: bust of Cupid to right; small wings.

74. Sard: warrior fallen among shields; in background a warrior.

75. Dark sard: bust of Serapis to front, wearing *modius* of leaves.

76. Banded onyx: male figure bringing goat to altar to right.

77. Sard: sacrifice of goat under tree; three figures; one holds goat; the next, seated, plays on lyre; the third stands playing a double flute. Inscribed, faintly, ΔIOCKOI.

78 to 169. *Intaglios, among which the following are deserving of notice:—*

78. Sard: bust of Faun to right. 79. Sard: comic actor standing nearly to left, with hands clasped. 81. Sard: with cable-border: Capaneus sunk on knee before city-wall. 82. Nicolo: Nereid riding to right on hippocamp, attended by two Tritons. 84. Amethystine garnet: head of Faun to right; goat-skin on neck. 85. Chalcedony: head of Jupiter to front; below, thunderbolt. 86. Garnet *en cabochon:* Faun standing to front holding *pedum*. 87. Red jasper: head of Vespasian, laureate, to right. 90. Carnelian · Mars to front; left hand rests on shield, right on spear; wears helmet, cuirass and scarf over arms. 91. Carnelian: Athlete to right, holding *strigil;* at his feet a dog; behind him, table with palm-branch in vase. 92. Carnelian: Diana of Ephesus standing to front; deer at each side as if forming a throne; she holds a torch (?) in each hand. 98. Nicolo: head of Silenus to left. 104. Sard: wild boar running to right attended by two hounds. 109. Yellow jasper: head of Lucius Verus (?) to left. 110. Amethyst: head of

Mithradates VI., with slight whiskers; similar to No. 1656 of Gem Catalogue, which has been called Augustus.

113a. Green paste: head of Medusa of the Solon type to left. 121. Sard: head of Antinous to right, inscribed ANTINOOC; mounted in enamelled ring. 122. Sard: bust of Roman to right, inscribed ΘΦΤ. 123. Sard: female bust to right, long flowing hair; inscribed ONHC. 124. Sard: head of Jupiter to right, laureate; inscribed below neck ΑΥΛΟΥ. 125. Amethyst: Cupid sitting on ground with arms tied behind his back at foot of trophy. Inscribed, ΑΥΛΟΥ. (Bracci, I., p. 169, pl. 32; Natter, Méthode de Graver, pl. 24; Raspe, 7114; Köhler, III., p. 165; Brunn. Griech. Künstler, II., p. 549; Furtwängler in Jahrb. des Inst., 1889, p. 56). 126. Red jasper: bearded Roman head to right; fractured in upper part. Inscribed ΝΙΛΟC, (Pierres de Stosch, IV., No. 310; Raspe, 11626; Brunn, Griech. Künstler, II., p. 623). 127. Fragment of Onyx Vase with intaglio: remains of foot and leg raised on rock with inscription, ΚΑΡ ΠΟΣ. Stephani and Brunn regard this inscription as the termination of a longer name, and as the source whence modern engravers have copied the supposed signature Karpos. (Raspe, 12,647; Stephani, in Köhler, III., p. 327; Brunn, Griech. Künstler, II., p. 615). 129. Rock-crystal: Nereid on hippocamp. 130. Amethyst, very deeply cut: lion with deer under forepaws; the lion very much foreshortened. Cf. same subject in Berlin Collection. With this gem is a modern restoration in blue glass. 133. Sard: Faustulus looking down at she-wolf suckling the twins; Romulus and Remus under a vine. 134. Sard, fragmentary on right: Diomedes holding palladium beside pillar surmounted by statue. 138. Amethyst: head of Faustina the younger to right. 139. Red jasper: head of Faustina the elder to right. 140. Sard, fractured: bust of Lucilla (Cleopatra?) to right. 141. Lapis lazuli: bust, bearded and laureate to right. 154. Sard; tragic mask to right; below, *pedum* and star; in front ΔΟΡΥ.

3. *Renaissance and later Gems*:—

This section consists of 110 specimens, which may be divided into the following classes:—1. Representations of various subjects, sometimes antique, but in the style of periods in which they were executed. 2. Contemporary portraits. 3. Imitations of the antique.

The most important gem in the first class, and indeed in this section of the collection, is an oval cameo in sardonyx of three strata (No. 176), representing Noah and his family preparing to enter the Ark (Gori, Thesaurus Diptychorum, front., Tassie, No. 13,831, King's Handbook, p. 52). This is a composition of nine figures, of excellent design, with animals in the spaces, and an ark resembling a mediæval shrine, on the doors of which is inscribed LAVR. MED., showing that the gem was made for, or belonged to, Lorenzo de' Medici. It has been

been suggested by Millin that this cameo is Byzantine, but the treatment of the figures forbids such an origin, and it is probably the work of one of the Italian artists of the quatro-cento period, possibly Domenico de' Camei. Mr. King suggests Pollaiuolo, but there is much to remind one of the earlier Niccola Pisano. The cameo measures $2\frac{1}{8}$ in. by $1\frac{5}{8}$ in., and is in an old and solid mounting of gold. There are also two pretty cameos of the 16th century with marine subjects, somewhat in the antique style (Nos. 204, 206), and five large intaglios of the school of Valerio il Vicentino, with the usual flat treatment of that school, compositions crowded with figures in violent action. These are No. 242, Rape of Helen, on transparent chalcedony; Nos. 240, 241, Horsemen surrounding wild beasts; one in plasma, the other on bloodstone; a composition that has been ascribed by Mariette to Matteo del Nazaro; No. 239, a sard with a battle scene (Tassie, 7,626) also considered to be by del Nazaro. This stone has been broken, and the fractures have been ingeniously strengthened and concealed on the back by an elegant monogram in enamelled gold, of K. B.; possibly Katherine, Duchess of Buckingham, daughter of James II. Of deeper execution is No. 243, two figures, supposed to represent Neptune and Amymone, engraved in a translucent chalcedony, with an enamelled frame.

Of the second class, that of portraits, the most important is one in cameo, No. 177, representing René of Anjou, who died in 1480, and evidently of the time. The edges seem to have been somewhat curtailed, but the execution is very masterly. No. 188, a fine male head of quattro-cento style, probably a portrait. No. 180, Anne of Hungary, wife to the Emperor Ferdinand I., in an enamelled frame. No. 178, Francis I., king of France, in a sardonyx of three layers; the king's head, full-faced, in the brown layer, and at the back his wife, Eleanor of Austria, in the white layer, also full-faced. No. 179, another portrait of Francis I. in armour. 182, Cosmo de' Medici, as a young man, bare-headed and in armour. 183, bust of Philip II. of Spain, in profile; executed in onyx of two layers, grey and black. No. 184, a companion bust of his queen, Isabella of France, possibly engraved to match at a later date. No. 187, a variegated jasper with a bust of Charles V. (Tassie 13,922).

In the third class, imitations of the antique, are some fine examples, but of much less archæological interest. They approach in many instances so closely to the antique originals that it is difficult to determine absolutely their age; especially as in some cases antique stones have been touched up or altered to increase their commercial value.

4. *Jewellery.*

Some of the specimens in the collection are more interesting for their settings than as engraved gems, and it has been therefore thought better to treat them as jewellery. Among

 these

these is No 189, a cameo with the head of Perseus of indifferent work, but in a beautiful sixteenth-century frame of gold, enamelled, by which it seems to have been affixed to some larger object; it is inscribed S. PHRYG. PERCVTIET DEVS POTENTES TERRÆ ET E CŒLO DESCENDET ALTISSIMVS. The head must have been mistaken for that of one of the Sybils, and the object to which it was attached may have been therefore ornamented with twelve such medallions. No. 173, a shell cameo, unfortunately much decayed, with two heads; it has been mounted in gold as a locket, and richly enamelled with arabesques. No. 266, an intaglio on sard, of Hercules and the Cretan bull, in a gold frame set with jewels, the back richly enamelled, with a cartouche in the centre inscribed FLECTI NESCIA VIRTVS. No 203, a fragment of a female figure seen from the back in white chalcedony and in full relief, either cinque-cento or antique retouched. A head has been added and a bath of gold and onyx and the whole backed with sardonyx, and set in an enamelled frame. No. 201, a pendant formed of a cameo representing Diana of the Ephesians in an enamelled gold frame. Nos. 268–272, five finger-rings containing intaglios, of which two may be antique, the hoops elegantly ornamented with enamel or set with small precious stones. There is also a singular male portrait (No. 172) of which the head is formed of shell, now much decayed, and the bust in armour is formed in gold richly enamelled. This may have been attached to some enseigne.

III. Miscellaneous Objects.

Chalcedony: bust of a youth, probably from a set of *phaleræ*; height, 4 in.

Chalcedony; bust of a youth, having a *nebris* tied on his shoulders, and holding a bunch of grapes in his left hand; also from a set of *phaleræ*; height, 3 in.

Ivory tessera, circular; grotesque head to the right; rev.

XII.

PAPAITONIN (=Paraitonion.)

II.

Medallion formed of blue glass with a coating of clear glass; portions of the latter are cut away and the spaces ornamented with gilding, representing a full-faced bust of a Roman dignitary, with the head of an ornamental standard in the field.

Nine pastes of various ages. not important enough to be placed with the engraved gems, and which have therefore been added to the glass collections.

Augustus W. Franks.
A. S. Murray.

Department of Coins and Medals.

I.—*Registration and Arrangement.*

1. *Greek Series:—*

341 coins, recently acquired, of various parts of the Greek world have been registered and incorporated.

359 tickets giving references to the *Catalogue of the Coins of Peloponnesus*, have been written and placed in the trays beneath the specimens.

20 coins, hitherto classed as "Uncertain," have been identified.

Several specimens have been incorporated in the Electrotype cabinet, and a series of electrotypes and casts, reproducing most of the Cyzicene coins photographed in Greenwell's *Cyzicus*, has been arranged in chronological order.

A series of Greek, Roman, and Byzantine coins found during excavations in Cyprus in 1890 has been examined.

In preparation for the Catalogue of Mysia, the whole series of the coins of that district has been re-arranged in chronological order. The specimens in gold, electrum, and silver have been weighed, and coins desirable for illustrating the Catalogue have been selected.

The coins of Smyrna, Teos, Chios, and Samos, and the early electrum of Ionia and Lydia, have been re-arranged, and, where necessary, weighed. Casts have been made of all the coins needed for illustrating the Catalogue of Ionia. Rectifications and re-arrangements in accordance with recent numismatic publications have been made in the following series:—Eurydicea, Crete, Cyclades, Antandrus, Assus, Gargara. Several collections of Greek coins offered for purchase have been examined, as well as the sale catalogues of the Photiades and Sim collections. Specimens desirable for the Museum have been selected.

2. *Roman Series:—*

78 Roman and Byzantine coins from the India Office collection have been registered and incorporated.

24 coins of the Vandals, recently acquired, have been registered and incorporated.

3. *English Series:—*

204 Anglo-Saxon and English coins, and 28 English medals and tickets, have been registered and incorporated.

More than 1,280 silver coins in the Anglo-Saxon series have been weighed in preparation for the Catalogue of English Coins, Volume II.

The coins of Alfred and of Edward the Elder have been re-arranged.

Outside labels have been fixed on the trays containing the coins of Aethelred II—Harold II.

A series of Pennies of Aethelred II and Cnut has been examined, and specimens desirable for the Museum have been selected.

4. *Mediæval and Modern Series* :—

74 coins and 15 medals and jetons, recently acquired, have been registered and incorporated.

A series of mediæval coins brought from the East by the Rev. G. J. Chester has been examined, and a selection made for the Museum.

5. *Oriental Series* :—

466 coins have been registered, 1,147 incorporated, and 1,113 registered and incorporated.

The Bactrian and Indo-Scythic series has been expanded so as to fill three cabinets, and 75 fresh labels have been written.

The coins of the Western Kshatrapas, in the Bhagvānlāl collection, numbering about 700 specimens, have been arranged.

Rectifications have been made in the Sassanian series.

652 tickets, giving references to the *Catalogue of the Sultáns of Delhi*, have been written and placed in the trays beneath the specimens.

Among the Oriental series examined with a view to purchase, are a collection of coins of the Arab Dynasties of Spain, and a collection of Arab and other coins belonging to Colonel Miles.

II—*Acquisitions*, 1890.

Class.	Gold.	Silver.	Bronze.	Billon.	Lead.	Glass.	Total.
Greek	5	102	70	–	–	–	177
Roman	1	3	5	–	–	–	9
Mediæval and Modern	1	24	7	–	–	–	32
English	1	198	10	9	3	–	221
Oriental	133	246	226	4	8	8	625
Total	141	573	318	13	11	8	1,064

Remarkable Coins and Medals.

1. *Greek Series :—*

A gold 30 litra piece of Syracuse; obverse, Head of Zeus Eleutherios to the right, laureate; reverse, Pegasus. This extremely rare and beautiful coin belongs to the period of the Syracusan Democracy, restored by Timoleon, B.C. 345, after the expulsion of the Dionysian dynasty. (Head, *Hist. Num.*, p. 156.)

A rare and fine tetradrachm of Aenus, in Thrace; obverse, Head of Hermes, of transitional style; circ. B.C. 450–420; reverse, AINI, Goat; symbol, Star and Crescent.

A tetradrachm of Attic weight, of the Thracian dynast Sparadocus, the brother of Sitalces; circ. B.C. 430; obverse, Thracian horseman carrying two spears; reverse, ΣΠΑΡΑΔΟΚΟ, Incuse square, within which Eagle devouring a Serpent. A coin of the highest degree of rarity, probably struck at Olynthus. (Head, *Hist. Num.*, p. 239.)

A rare bronze coin of Amadocus I, of Thrace; circ. B.C. 400, with the name of a new magistrate, ΑΛΕΞΑΝΔΡΟ.

A diobol of Lycceius of Pæonia, B.C. 359–340; obverse, youthful bare head; reverse, ΛΥΚΚΕΙΟΥ, Horse grazing: an entirely new type.

A beautiful tetradrachm of Acanthus in Macedon, of Euboïc weight, struck before the expedition of Brasidas in B.C. 424. This coin is of the usual Acanthian type, a Lion seizing a Bull; but in style it is later than any known specimen of the Euboïc weight, and it thus forms a link between the earlier (Euboïc) and the later (Phœnician) coinages of the town.

A tetrobol of Dicæa, the Colony of Eretria; obverse, Cow, Io, scratching herself; reverse, Incuse square: struck about B.C. 500.

A very rare and fine drachm of Philip II of Macedon, struck at Pella, similar to Müller, Pl. xxiv., 6.

A very rare tetradrachm of Alexander the Great's first coinage; obverse, Head of Zeus; reverse, ΑΛΕΞΑΝΔΡΟΥ, Eagle on thunderbolt. The only other known specimen of this coin is in the Paris collection.

A rare tetradrachm of Alexander the Great, struck in Peloponnesus shortly after his death.

A silver coin of the Hypocnemidian Locrians; obverse, Head of Persephone; reverse, The Locrian Ajax armed with helmet, shield, and sword, charging to the left; inscription, ΛΟΚΡΩΝ $\overline{\text{ΥΠΟ}}$, weight 80 grains. The only other known example of this coin is in the De Luynes collection, and has been published by Imhoof-Blumer (*Zeit. für Numismatik*, vii., Pl. i. 9). (Photiades Sale.)

A bronze coin of Gonnus in Thessaly, B.C. 300–146; obverse,

Head of Zeus; reverse, ΓONNEΩN, Ram. An extremely rare coin. The town of Gonnus was previously unrepresented in the National collection.

A bronze coin of Melibœa in Thessaly, B.C. 400-344; obverse, Head of Nymph in profile; reverse, MEΛIBOE, Grapes in ivy wreath. The coins of this city are very rare, there having been only one specimen previously in the Museum, and that from a different die.

Four silver coins of Pheræ, including a hemidrachm of the tyrant Alexander, B.C. 369-357; obverse, Head of Hermes; reverse, AΛEΞANΔPEION, Horse's foreleg.

A tetradrachm of Gomphi-Philippopolis in Thessaly, unpublished; obverse, Head of Goddess facing, wearing stephanos; reverse, Zeus Akraios seated on rock, Mt. Pindus, and resting on sceptre. (Photiades Sale.)

A bronze coin of Tricca in Thessaly, B.C. 400-344, with a new and interesting Asklepian type.

A didrachm of Cassope in Epirus; obverse, Head of Aphrodite (?) wearing flowered stephanos; reverse, Serpent coiled round cista mystica. The second example known, the other being in the Museum at the Hague. (Photiades Sale.)

An Imperial coin of Nicopolis in Epirus, struck by Geta. *Presented by His Excellency M. W. H. Waddington.*

Two fine and rare silver staters of Elis, one of which has on the obverse an Eagle carrying off a lamb. A rare stater of Elis, circ. B.C. 421–365; obverse, Eagle's Head with leaf beneath it, on which is the engraver's name, ΔA or ΛA; reverse, Thunderbolt, and symbol, quiver between two branches of wild olive.

A drachm of Cnossus in Crete, B.C. 400–350; obverse, Head of Hera wearing stephanos adorned with flowers; reverse, Square Labyrinth, magistrate's name BPIΩ.

Two silver staters of Itanus in Crete, on one of which is a Triton or the Sea-god Glaukos; reverse, Floral Star in laurel-wreath: on the other is a Head of Athena; reverse, ITANION between two serpents. These two coins belong to the 5th and 4th centuries B.C. A series of rare silver and bronze Cretan coins of the cities of Aptera, Ceræa, Cydonia, Eleutherna, Elyrus, Hyrtacus and Lisus (allied), Lappa, Latus, Lisus, Præsus, and Tylissus, several of which are unique.

A very rare hemidrachm of Delos, circ. B.C. 400; obverse, Head of Apollo; reverse, Lyre.

A curious and well-executed ancient copy of a silver tetradrachm of Nicomedes II., King of Bithynia, inscribed NIKOMHΔOΣ (*sic*), and bearing the letters TP, apparently a blundered date.

Two very remarkable Cyzicene staters. One of these represents a bald and bearded head bound with a laurel wreath. Of this type two other specimens only are known, one of which is in the Paris collection, the other in that of Canon Greenwell. If, as seems probable, the head on

on this coin is a portrait, it is undoubtedly the earliest portrait on any Greek coin. The other stater bears a figure of Zeus in a kneeling posture, resting with right hand on sceptre, and holding on his left hand an eagle with open wings. Canon Greenwell, in his article on the Coinage of Cyzicus, mentions only one other specimen of this type, which is in the Paris collection.

A fine Alexandrine tetradrachm of Mytilene, struck after B.C. 200.

Rare coins of Clazomenæ, Colophon, and Teos, in Ionia.

A tetradrachm of Ephesus, bearing the name of a Prytanis, ΕΧΕΔΑΜΑΣ, hitherto unrecorded.

A very fine tetradrachm of Magnesia ad Mæandrum; obverse, Head of Artemis; reverse, Apollo standing, Magistrate's name, ΕΡΑΣΙΠΠΟΣΑ ΡΙΣΤΕΟΥ. The tetradrachms of Magnesia of this period, circ. B.C. 190, are of considerable rarity.

A very rare tetradrachm of Cnidus in Caria, having on the obverse a head of Aphrodite of fine style, and on the reverse a Lion's head. The head on the obverse is possibly copied from that of the famous statue of the Cnidian Aphrodite, by Praxiteles.

An Alexandrine tetradrachm of Astypalæa in Caria, circ. B.C. 200.

An extremely rare archaic silver stater of one of the Greek islands, probably Cos; obverse, Crab; reverse, Incuse square. This coin formed one of a small hoard of early island coins, an account of which is published in the Numismatic Chronicle, 1890, p. 13.

A fine stater of Camirus in Rhodes, circ. B.C. 500, of the Æginetic standard.

A remarkably fine electrum *trite*, or ⅓ stater, of Sardes; of the archaic period, B.C. 700–500; obverse, Lion's head; reverse, Two incuse squares.

An unpublished and remarkable silver stater, struck probably in Cilicia during the latter half of the 5th century, B.C.; obverse, A winged goat to left, with bird upon his back; reverse, Owl with spread wings in incuse square; on either side of the owl is a *crux ansata*. This coin may be compared with a somewhat similar coin in the British Museum (Head, *Hist. Num.*, p. 424), which has been attributed by M. Six to Amisus in Pontus, but the winged goat and the symbol on the new coin, as well as the style of art, seem to point rather to Cilicia than to Pontus as the country to which both coins should be assigned.

An unpublished bronze coin, probably of the Imperial time, struck at Olba in Cilicia; obverse, Club; reverse, ΟΛΒΕΩΝ, A castellated tower.

A well-preserved specimen of the gold double daric, with the usual type, King of Persia kneeling and a Greek monogram in the field.

A fine and rare bronze coin of Diodotus, the first king of

Bactria (B.C. 250); obverse, Head of Hermes; reverse, ΒΑΣΙΛΕΩΣ ΔΙΟΔΟΤΟΥ, Athena standing.

2. *Roman Series:—*

Two copper denarii of Carausius, with reverse types, Laetitia and Pax standing, and two others of same types of Allectus; from a hoard recently found near Amiens. *Presented by John Evans, Esq.*, P.S.A.

3. *English Series:—*

A series of fifty-four Anglo-Saxon and Hiberno-Danish silver pennies of Aethelred II. Cnut, and Sihtric II, being duplicates of the Royal Collection at Stockholm. This series supplied the names of several mints and moneyers not represented in the National Collection.

A silver penny of the 9th century, A.D., struck by one of the Archbishops of Canterbury. It bears on the obverse the head of the archbishop and the name of the moneyer under whose direction the coin was issued; and on the reverse, the name of the mint, DOROBERNIA.

A silver badge of an insurance company, with figure of Britannia seated. It bears no date, but is hall-marked for 1792. *Presented by A. W. Franks, Esq.*, C.B.

Five bronze medals awarded by the Science and Art Department for success in Art, dated 1852, 1856, and 1857. *Presented by the Department of Science and Art.*

The Stanley Medal, in bronze. *Presented by the Royal Geographical Society.*

A specimen of a bronze medal presented to the late Charles Roach Smith, F.S.A., in recognition of his life-long services to archæology, 1890. *Presented by John Evans, Esq.*, P.S.A.

A silver medal, with the portrait of the late William Blaydes, the biographer of Caxton. *Presented by Mrs. William Blaydes.*

A bronze medal, commemorating the 700th anniversary of the mayoralty of the City of London. *Presented by the Corporation of the City of London.*

4. *Mediæval and Modern Series:—*

Four silver deniers of Borileoi II of Bohemia (A.D. 1118–1120), and six others of Wladislaus I (1120–1125). *Presented by Herr Eduard Fiala of Prague.*

A half-dobra in gold of Don Miguel I of Portugal. *Presented by Lieut. Col. J. G. Sandeman.*

Portrait medals, in silver, of John Frederick Duke of Saxony, dated 1551; of Rudolph II Emperor, dated 1576; of Ferdinand, Cardinal Archbishop of Toledo, Infanta of Spain, 1609–1641, by the Dutch artist Waterlooz; of Georg Basta, general, commemorating his defeat of the Turks in "Dacia" in 1605; of Abraham Katzenbockt of Katzen, dated 1592;

1592; and of S. Gammerfelder and his wife, dated 1610. These pieces are all fine specimens of German and Dutch medal-work.

A medal, in brass, of the Cloth-workers' Guild of Middleburg in Holland, circ. A.D. 1580. *Presented by John Evans, Esq.*, P.S.A.

An archery medal, in silver, of the town of Zürich. *Presented by John Evans, Esq.*, P.S.A.

A bronze-gilt medal of Louis XIII, commemorating the attack on the Isle of Rhé and the defeat of the English by land and sea, 1627. *Presented by A. W. Franks, Esq.*, C.B.

A silver medal, struck to commemorate the marriage of Her Imperial and Royal Highness the Archduchess Marie Valérie. *Presented by the Imperial and Royal Oberstkämmerer-Amt, Vienna.*

An Italian 17th century medalet, with the bust of Julius Cæsar. *Presented by R. Hewitt, Esq.*

5. *Oriental Series:—*

Three Muhammadan copper coins found in the Belgaum district, and three others bearing the name of the mint Ahmednagger, found in the Nassik district. *Presented by the Government of India.*

Ten gold, two silver, and fourteen copper coins of the late Indo-Scythic class, Northern India, the rulers of Malwah, and the Mogul Emperors of Delhi. These coins came from finds in the Oude district, the Panjáb, and the Central Provinces. *Presented by the Government of India.*

Twelve gold and nine silver Indian coins. The gold coins are of the Pathan Rulers of Delhi and Bengal, and were struck by Ala ad-din Muhammad Sháh I, Muhammad II ibn Taghlak, Firoz Sháh II, Taghlak Sháh II, Abu-Bekr, and Sikander ben Ilyas. Of these five specimens are unique. The silver coins are of the Mogul Emperors of Delhi, Muhammad Sháh I, Farokhsiyar, Aurang-zib, and Sháh Alem. *Presented by the Government of India.*

One gold and one silver coin of Aurang-zib, found in the Amraoti district. *Presented by the Government of India.*

One hundred and twenty-one copper coins of the Sháhs of Khuwarezm, collected by Captain Lássœ, in Central Asia. These coins are described by Dr. A. E. R. Hoernle, in the *Suppl.* Pt. I., Vol. LVIII of the Journal of the Asiatic Society of Bengal. *Presented by the Trustees of the India Museum, Calcutta.*

A dinar found at Khorembád, in Luristán. *Presented by His Excellency Mohammed Hasan Khán, Etimád es-Sultaná.*

Twenty-seven gold, forty-two silver, and two copper coins, chiefly of the Abbásee Khalífahs. *Presented by Colonel Miles.*

A silver 20 piastre-piece, struck by the Mahdi at Omdurman (Khartoum). *Presented by Colonel Holled Smith.*

A dirhem of Sharf ibn Muhammad, Emir of Budlis. *Presented by R. Hewitt, Esq.*

Twelve Corean cash, and two others struck at Canton in 1882. *Presented by H. B. Morse, Esq.*

A series of fifty-eight gold, one hundred and three silver, and thirty-eight copper coins of various Arab or Indian Dynasties. These came from the well-known collection formed by Dr. Da Cuñha.

A series of ten gold, sixty-eight silver, and fourteen copper coins of the Amawees of Spain, and of the lesser Spanish dynasties, the Benee Idrees, the Kings of Badajos, the Amirees of Valencia, the Benee Abbad of Seville, &c.

A collection of twenty-seven silver and three copper coins, comprising nearly all the known varieties of the coinage of the Yueh-ti (published by Sir A. Cunningham in the Numismatic Chronicle for 1888 and 1889). The earliest specimens, which date from about the year 160 B.C., when the Yueh-ti settled around the Oxus, are imitated from the Greek coinages of Seleucus I, Antiochus I, Euthydemus, Eucratides, and Heliocles, and are important as bearing, in some instances, inscriptions in characters hitherto undeciphered. Six tetradrachms and six obols of this selection bear an inscription in Greek letters, read by Sir A. Cunningham as MIAOY ΣANAB KOPPANOY (or KOPΣANO), and translated "Miaus, King of the Kushāns," a tribe of the Yueh-ti, who gained supremacy over the rest, and who, under their leader Kujula Kadphises, invaded India, and overcame the last Greek king, Hermæus, about B.C. 30. A unique copper coin in this selection may also probably be attributed to Miaus *Purchased of Sir A. Cunningham*, K.C.I.E.

III.—*Catalogues and Guides.*

Greek Series :—

The Catalogue of the Coins of Alexandria, by Reginald Stuart Poole, LL.D., is in the press.

The Catalogue of the Coins of Mysia, by Warwick Wroth, and the Catalogue of the Coins of Ionia, by Barclay V. Head, D.C.L., PH.D., are nearly complete in manuscript.

English Series :—

The Catalogue of English Coins, Vol. II, by H. A. Grueber and C. F. Keary, is in the press.

Oriental Series :—

The Catalogue of the Additions to the Oriental Collection, 1876–1888, Part I, by Stanley Lane-Poole, has been published. Part II of this Catalogue, and the Catalogue of Glass Weights, both by Stanley Lane-Poole, are in the press.

IV.—*Exhibitions.*

Two table-cases containing Greek Coins, and two table-cases containing German, Dutch, and modern European medals, have been withdrawn from the North Gallery for want of space.

V.—*Visitors to the Medal Room and the Gold Ornament Room.*

The number of visitors to the Medal Room during 1890, was 1,988.

The number of visitors to the Gold Ornament Room during 1890, was 19,128.

Reginald Stuart Poole.

VIII.—British Museum (Natural History).

STATEMENT of Progress made in the Arrangement and Description of the Collections, and Account of Objects added to them, in the Year 1890.

Central Hall.

Many preparations have been added to the series illustrating the introduction to general animal and vegetable morphology arranged in the alcoves around the Central Hall of the Museum, and two new cases have been placed in the body of the hall. One of these illustrates external variation according to age, sex, and season, as exemplified in the well-known bird, the Ruff (*Machetes pugnax*). Males and females are shown in the winter plumage, when both sexes are exactly alike externally, except as regards size. A large group occupying the lower part of the case shows the adult birds in the plumage they assume in the breeding time (May and June). In the female the only alteration from the winter state is the darker and richer coloration, but in the male there is a special growth of elongated feathers about the head and neck, constituting the "ruff" from which the bird derives its name. There is also a striking diversity of colour in different individuals, of which twenty-three are exhibited, no two being alike. Specimens of the eggs, newly-hatched young, and young in autumn plumage are added to complete the life-history of the species. Many of the birds in this case were presented by Mr. Henry Seebohm, two by the Leiden Museum, the others were purchased.

The second case is intended to illustrate the subject of

Protective Resemblance and Mimicry, which is attracting so much attention at the present time. The lower part of the case is occupied by a group showing the simplest form of such resemblance, *i.e.*, general conformation of colour to habitual surroundings. Various species of mammals, birds, and reptiles, from the Egyptian desert, are arranged upon a ground consisting of the actual rocks and sand among which they were living. These specimens were collected in February 1890, and presented by Mr. F. S. Worthington. In the upper part of the case specimens are exhibited, chiefly from the class of Insects in which the imitation both of the form and colour of external objects is carried to various degrees of perfection and complexity. Among these is a group of Indian Butterflies (*Kallima inachis*) which, when at rest with their wings closed, present a marvellous resemblance to dead leaves. Still further stages of complexity of imitation are shown in insects which closely resemble, externally, others belonging to different families or even orders, apparently for purposes of protection. This is a subject which will admit of still further illustration as the necessary specimens can be obtained.

General.

Professor H. Alleyne Nicholson, of Aberdeen University, having been appointed Lecturer on Geology on the Swiney Foundation for a term of three years, in succession to Professor McNab, delivered his first course of lectures in October last. The subject of the course was "The Microscope in Geology and Palæontology—with special reference to the structure and origin of the stratified rocks." The lectures, which, as usual, were twelve in number, were well attended, the total attendance having been 1,889, or an average of 157 persons per lecture.

These lectures are held at the Museum, and are free to the public.

The Trustees have urged on the First Commissioner of Her Majesty's Works, &c., the desirability of extending the northern boundary line of the grounds of the Natural History Museum, so as to admit of the future development of the building, by securing to the Museum some portion of the land situated between the Imperial Institute Road and the present boundary, recently acquired by the Government from the Commissioners of the Exhibition of 1851, and they have been assured that full consideration will be given to their views before a final appropriation is made of the land in question.

An offer has been made to the Trustees by one of the Vice-Presidents of the National Sunday League to place at their disposal the sum of 500 *l.* to be applied in opening the Natural History Museum to the public on Sunday.

This offer was taken into consideration at a General Meeting

Meeting of the Trustees held on the 22nd of February 1890, when the following resolution was passed :—

"That while recognising the desirability of opening the "National Museums on Sunday afternoons, and the liberality "of one of the Vice-Presidents of the National Sunday League, "in offering to place at the disposal of the Trustees the sum "of 500 *l.* for the purpose of thus opening the Natural History "Museum during a portion of the present year, the Trustees "hesitate, under present circumstances, to take the respon- "sibility of opening the Museum on Sundays without the "concurrence of the Government."

The bequest of an important collection of mounted British Birds, by the late Mr. E. T. Booth, of Brighton, was announced, but it was attended with such conditions as to cause the Trustees to waive their claim in favour of the Corporation of Brighton, that body having expressed its willingness to accept the collection and to use its best endeavours to carry out the wishes of the testator.

During the year 1,013 presents, many of which embrace a large number of individual specimens, were received by the Trustees. The more important of these will be found mentioned in the reports of the Keepers of Departments, but the following may be alluded to here as of special interest :—

From His Royal Highness the Prince of Wales, K.G.—A light-coloured Snipe and a Reeves' Pheasant, killed in Norfolk.

From the Earl of Tankerville.—A Bull and Cow from his stock of wild cattle preserved in Chillingham Park.

From the Duke of Hamilton, K.T.—A Bull from the herd of wild cattle preserved in Chillingham Park.

From the Canadian Government.—Zoological specimens which formed part of the Canadian Exhibit at the Colonial and Indian Exhibition.

From the Royal Commission for Victoria at the Paris Exhibition (1889).—A collection of Dried Botanical Specimens.

From H. J. Carter, Esq., F.R.S.—A valuable collection of fresh-water Sponges, comprising all the species at present known to science.

From Dr. J. Leidy.—A perfect skull of *Oreodon Cuthbertsoni*, from the "Mauvaises Terres" (*Miocene*), White River, Dakota, U.S.A.

From the Director of the Royal Gardens, Kew.—A Herbarium formed by Ferro, an apothecary in Venice, who died in 1674.

From Major J. W. Yerbury, R.A.—A valuable collection of British Insects, chiefly Diptera, obtained in Devonshire.

From F. S. Worthington, Esq.—A collection of small Mammals, Birds, and Reptiles, from the desert of Egypt, together with specimens of the rocks and sand from the locality in which they were obtained (to illustrate the prevailing resem-

blance of the colour of animals to that of their natural surroundings).

From St. George Littledale, Esq.—A collection of Mammals, Birds and Eggs, from the Saiar Mountains, Altai.

From F. D. Godman and O. Salvin, Esqs.—The large series of *Buprestidæ*, presented in continuation of their donations of Central American Coleoptera, consisting of 2,795 specimens representing 423 species, of which 294 are types.

Also, another very valuable collection of Central American Coleoptera, containing 7,396 specimens of *Pectinicornia* and *Lamellicornia*, representing 1,100 species and 494 types.

From Lieutenant-Colonel L. H. Irby.—Specimens and materials for the groups illustrating the nesting habits of British Birds.

From Dr. Emin Pasha.—A collection of Zoological specimens from Central and Eastern Africa.

From J. H. Gurney, Esq.—The principal part of the collection of South African Bird-skins formed for his late father by Mr. T. Ayres, of Natal, consisting of 442 specimens, representing 372 species.

From J. W. Ralfs, Esq.—The whole collection of slides of Algæ, which belonged to his late father, Mr. John Ralfs.

From John Evans, Esq., D.C.L., LL.D., P.S.A., F.R.S.—A set of the Transactions of the Linnean Society, and of the Transactions and Proceedings of the Zoological Society.

From Mr. Frederick Justen.—A copy of Forbes's "Salictum Woburnense," bound in morocco. A rare and valuable volume.

Exchanges of specimens have been made with the following institutions and individuals:—

Of Zoological Specimens.—With the Museum of the University of Stockholm; the Zoological Museum of Christiania; the Warsaw Museum; the Belfast Natural History Society; Dr. G. H. Horn, of Philadelphia; Mr. F. DuCane Godman, F.R.S.; and Mr. J. L. Moseley.

Of Fossils.—With the University of Bologna; The National Museum, Melbourne; the Museums of Brussels and Sydney; Dr. F. Frech, of Halle University; Dr. O. Jaekel; and Mr. W. R. Billings.

Of Minerals and Meteorites.—With the United States National Museum; the National Museum of Rio de Janeiro; the University of Utrecht; Mr. E. A. Pankhurst; and Professor Paul Groth, of Munich.

Of Botanical Specimens.—With the Imperial Herbarium, Berlin;

Berlin; the Department of Agriculture, Washington; the Rev. T. S. Lea; and Mr. E. M. Holmes.

The following Guide-books have been published during the year :—

A guide to the Exhibition Galleries of the Department of Geology and Palæontology, in the British Museum (Natural History). [New and enlarged edition.] :—

Part I. Fossil Mammals and Birds. Pp. xii., 103. 119 woodcuts and 1 plan. 8vo. 6 *d.*

Part II. Fossil Reptiles, Fishes, and Invertebrates. Pp. xii., 109. 94 woodcuts and 1 plan. 8vo. 6 *d.*

The Student's Index to the Collection of Minerals, British Museum (Natural History). New edition. Pp. 27. With a plan of the Mineral Gallery. 8vo. 2 *d.*

An Introduction to the Study of Meteorites, with a list of the Meteorites represented in the collection. [New Edition.] Pp. 91. With a plan of the Mineral Gallery, and an Index to the Meteorites represented in the collection. 8vo. 3 *d.*

Three more volumes of the Catalogue of Birds have been published, viz :—

Vol. XIII. Catalogue of the Passeriformes, or Perching Birds, in the collection of the British Museum. *Sturniformes,* containing the families Artamidæ, Sturnidæ, Ploceidæ, and Alaudidæ. Also the families Atrichiidæ and Menuridæ. By R. Bowdler Sharpe. Pp. xvi., 701. Woodcuts and 15 coloured plates. [With Systematic and Alphabetical Indexes.] 8vo. 1 *l.* 8 *s.*

Vol. XV. Catalogue of the Passeriformes, or Perching Birds, in the collection of the British Museum. *Tracheophonæ,* or the families Dendrocolaptidæ, Formicariidæ, Conopophagidæ, and Pteroptochidæ. By P. L. Sclater, F.R.S. Pp. xvii., 371. Woodcuts and 20 coloured plates. [With Systematic and Alphabetical Indexes.] 8vo. 1 *l.*

Vol. XVIII. Catalogue of the Picariæ in the collection of the British Museum. *Scansores,* containing the family Picidæ. By E. Hargitt. Pp. xv., 597. Woodcuts and 15 coloured plates. [With Systematic and Alphabetical Indexes.] 8vo. 1 *l.* 6 *s.*

The Catalogue of Fossil Reptilia and Amphibia has been completed with the publication of Part IV., containing the Orders Anomodontia, Ecaudata, Caudata, and Labyrinthodontia; and Supplement. By R. Lydekker. Pp. xxiii., 295. 66 woodcuts. [With Systematic Index, Alphabetical Index of Genera and Species, including Synonyms, and Alphabetical Index of Genera and Species to the entire work.] 8vo. 7 *s.* 6 *d.*

These works have been distributed to various Free Public Libraries and other institutions in Great Britain and Ireland; to Indian, Colonial, and Foreign Libraries and Museums; and to individuals who have either rendered assistance in the preparation of the catalogues, or presented specimens for the collections.

As complete a set of the Natural History publications of the Trustees as could be spared from stock has been presented to the University of Toronto to replace those destroyed by the fire in the early part of the year.

The following Catalogues are in preparation :—

Catalogue of Birds, Vol. XVI. by Mr. Salvin, Vol. XVII. by Mr. Sharpe, Vol. XIX. by Mr. P. L. Sclater and Captain Shelley, Vol. XX. by Count Salvadori.

Catalogue of Snakes, by Mr. G. A. Boulenger.

Illustrations of Typical Specimens of Lepidoptera Heterocera, Part VIII., by Mr. G. F. Hampson.

Catalogue of British Echinodermata, by Mr. F. Jeffrey Bell.

Catalogue of British Lichens, by the Rev. J. Crombie.

Catalogue of Fossil Birds, by Mr. R. Lydekker.

Catalogue of Fossil Fishes, Part II., by Mr. A. Smith Woodward.

Catalogue of Fossil Cephalopoda, Part II., by Mr. A. H. Foord.

Systematic List of the Edwards Collection of Eocene Mollusca, by Mr. R. B. Newton.

General Library.

The additions to the General Library during the past year have been :—

By purchase - - -	347 volumes and 1 map.
By donation - - -	316 volumes and 1 map.
By transference from other Departments - - -	23 volumes and 26 maps.
Total -	686 volumes and 28 maps.

The extent of this collection was, on 31st December, 20,619 volumes and 3,569 maps.

7,347 title-slips have been revised for the Botanical,
519 for the Geological, and
87 for the Mineralogical Department.

7,953 - - - Total.

W. H. Flower.

Department of Zoology.

The principal events of the year have been :—

(*a.*) The acquisition of three important and well-known collections, viz., the collection of Arachnida formed by the German Arachnologist, Count Keyserling; the collection of Alpine Lepidoptera, made by the late Professor Frey, of Zurich; the collection of Central American Longicorn and Buprestid Coleoptera, presented by Messrs. Godman and Salvin.

(*b.*) The transference of the duplicates of the "Challenger" collections, amounting to many thousands of specimens, and including numerous examples of great value. This transference was made with the understanding that, after a selection had been made of any specimens required for the National collection, "all the other specimens are to be used in the way of exchange for Deep Sea and Pelagic specimens not represented in the British Museum collections, so that these Deep Sea and Pelagic collections may be rendered as complete as possible."

(*c.*) The opening to the public of a cabinet containing a very complete collection of British Lepidoptera, formed by the late William Buckler, Esq., the donation of which by R. Newbury, Esq., was already reported last year.

The acquisition of the three collections mentioned under (*a.*), swelled again the number of additions (77,658), so as far to exceed the average annual increase, and the remarks prefacing last year's report apply again equally to the present occasion. All, or almost all, of the 40,000 specimens contained in those three collections are authentically named, and, when once incorporated, will greatly assist in the work and study of future years.

The staff of Assistants have the collections, and the work severally connected with them, allotted at present in the following manner :—

1. *Mammalia.*—One first class assistant, who is assisted by the Articulator and Taxidermist.

2. *Birds.*—One assistant of the first, and one of the second class, assisted by two attendants. Extra assistance in cataloguing is provided by the temporary employment of gentlemen not connected with the establishment. Four were thus employed during the past year.

3. *Reptiles and Fishes.*—One first class-assistant, who also has the supervision of the general service in the Spirit building; he is assisted by two attendants, and occasionally by the Articulator.

4. *Mollusca.*—One first-class assistant and one attendant.

5. *Crustacea, Myriopoda, and Arachnida.*—One second-class assistant.

6. *Coleoptera.*—One assistant of the first and one of the second class.

7. *Lepidoptera.*—These are in charge of the assistant keeper (whose time, however, is occasionally much occupied by administrative assistance required by the keeper) and a second-class assistant. Extra assistance in arranging is provided by the temporary employment of a Lepidopterist.

8. *Diptera.*—One second-class assistant.

9. *Hymenoptera, Neuroptera, Trichoptera, Orthoptera, and Rhynchota.*—One second-class assistant.

The assistants engaged in the Insect-room have the joint services of three boy-attendants at their disposal.

10. *Vermes, Echinodermata,* and (provisionally) the *Anthozoa.*—One first-class assistant.

11. *Polyzoa, Sponges, Hydrozoa,* and *Protozoa.*—One second-class assistant; these two last assistants having jointly the services of an attendant.

12. The Departmental Library is in charge of the Keeper, the clerical duties being performed by an attendant.

Special work of a miscellaneous nature, such as mounting specimens for exhibition, printing and writing labels, copying, attending to artists and students in the Galleries, &c., is performed by the remaining attendants, who also act as substitutes in cases of illness, or help wherever a great pressure of work calls for temporary assistance.

The progress that has been made in the year 1890, in the arrangement and description of the several collections, is as follows :—

I.—*Arrangement.*

(1.) The additions to the collection of Mammalia have been entered in the catalogues as soon as they were examined and named; however, they were comparatively few in number, leaving ample time for the progress of the systematic arrangement of the general collection. The order *Ungulata,* or Hoofed Mammals, was taken in hand: one division (*Perissodactyla*) being completed, and the other (*Artiodactyla*) being far advanced. A manuscript list of all the specimens of these groups, as far as their examination has gone, has been prepared at the same time.

(2.) Great efforts have been made to cope with the accumulation of specimens in the study collection of Bird-skins. The liberal grants made by Her Majesty's Treasury allowed of the materials

materials for five volumes of the Catalogue being simultaneously arranged and catalogued. Also the additions to volumes 3, 4, and 5, received since the publication of these volumes in the years 1877–81, have been incorporated and distributed in their proper places in the cabinets, necessitating an expansion of this part of the collection. On account of their great number it was found impracticable to enter them in manuscript in the interleaved copy of the "Catalogue."

(3.) The collections of Reptiles and Fishes continue in a perfect state of arrangement, with the exception of the Snakes. The systematic re-arrangement of the latter group, which was begun last year, has made much progress concomitant with the preparation of a second edition of the "Catalogue." All the other additions to these collections have been incorporated, and entered in the printed Catalogues, as soon as the specimens were examined and named. With regard to the Fish collection, efforts are made to fill up the numerous gaps created by the rapid advance of Ichthyology in the course of the last 30 years.

(4.) Also the collection of Mollusca is in a good state of arrangement. Beside numerous minor additions, two large collections from St. Helena and Ascension, and another from Lake Tanganyika, have been worked out and incorporated.

(5.) *Crustacea, Myriopoda,* and *Arachnida.* The time of the assistant at work on these collections has been chiefly occupied with the examination and description of additions to the Myriopods which had been presented to the museum with the understanding that their examination should be undertaken immediately; and, with the preservation of the Keyserling collection, which likewise required immediate attention. Under these circumstances the manuscript list of Myriopods, which has been in course of preparation for the last two years, has not made much progress, but includes now the families *Polydesmidæ* and *Glomeridæ.* It is expected to be completed in the current year, and to be followed by the arrangement of the Arachnids.

(6.) The arrangement of the immense collection of Coleoptera has made steady progress. The *Scarabæidæ* were proceeded with, the *Cerambycidæ* and *Prionidæ* completed, and the *Phytophaga* commenced. Still, with the arrears dating back so many years, and with the continuous influx of new collections, the provision of additional help at no distant date becomes more and more urgent.

(7.) Considerable progress has been made in the arrangement of the collection of Lepidoptera. A number of genera, the specimens of which had become so crowded in the drawers as to seriously impede their study, have been expanded; the sub-family *Morphinæ* has been worked out and re-arranged; the re-arrangement of the *Hesperidæ* has been commenced with

identifying and marking the types of the Hewitson Collection; the arrangement of the tribes *Noctuites* and *Geometrites* has been proceeded with, a manuscript list of the latter being prepared at the same time.

(8.) *Diptera.* The assistant to whom this Order has been assigned has commenced his work with a preliminary study of the general arrangement of the Order; he has proceeded to form a new series of British Diptera, completing several families; and, finally, studied and labelled Walkerian types of *Syrphidæ*, preparatory to an arrangement of this family.

(9.) The Orthoptera of the families *Forficulidæ*, *Gryllidæ*, and part of the *Phasgonuridæ* have been re-arranged, and working catalogues of them prepared; the *Mantidæ* have also been revised by comparison with Professor Westwood's recently published catalogue; and the examination of the large collection of Ceylonese Rhynchota presented by Mr. E. E. Green has been commenced.

(10.) All the additions to the collections of Vermes and Echinoderms have been named and placed, and the manuscript list of the latter has been kept up to date. The revision of the Echinoderms inhabiting the British coasts, undertaken with the view of preparing a catalogue of them, has made some progress.

(11.) Numerous additions to the *Polyzoa*, *Sponges* and *Hydrozoa* have been determined and incorporated, and a part of the exhibited series of Sponges has been re-arranged and named.

In connection with this work of arrangement, mention has to be made, that the large collection of "Challenger" duplicates, which contained specimens of all forms of marine animals, has been sorted, and that of each group detailed working lists have been prepared.

II.—*Registration.*

The specimens obtained during the year, whether by purchase or presentation, have been entered in the manuscript registers of accessions, and the register numbers attached to them. For future reference the date and mode of acquisition, the exact locality where the specimens were obtained, the name of the collector and any other particulars of interest respecting them, are entered. Time did not permit of such individual registration of the specimens of the collection of Central American Coleoptera, and of the Keyserling Arachnida.

III.—*Conservation.*

As in previous years the usual work of conservation has been continued by dusting and cleaning, in rotation, the exhibited

exhibited specimens, placing the reserve collections of small Mammalia, Bird-skins, Shells, Dried Sponges, Corals, Echinoderms and Polyzoa in glass-topped boxes, renewing the camphor in the wall-cases, store-cabinets, and insect-drawers, and the spirit of the collections preserved in alcohol. Of other work coming under this heading the following should be specially mentioned :—

(1.) Some specimens of Mammalia have been mounted for exhibition :—Three skins and a skeleton of the Argali (*Ovis ammon*); an Afghan Gazelle (*Gazella subgutturosa*); a Chillingham Bull and the head and skeleton of a cow of the same breed; a skin and skeleton of the long-headed Bush-buck (*Cephalophus longiceps*); a Pronghorn (*Antilocapra americana*); also skeletons of a Siberian Ibex (*Capra sibirica*) and a Rocky Mountain Goat (*Haploceros montanus*).

(2.) The furnishing of the western portion of the Bird Room has been completed by the addition of fourteen cabinets. The general collection of *Charadriidæ* and *Gruidæ*, including those of the "Hume" collection, has now been transferred from store-boxes into drawers.

The following groups have been added to the series illustrating the nesting habits of British Birds :—Great Titmouse, Crested Titmouse and Bearded Titmouse: also a group from the Canaries, representing the nesting habits of the Cream-coloured Courser, an occasional visitor to the British Islands.

(3.) The following specimens have been mounted for exhibition in the Reptile and Fish galleries :—A skeleton of the poisonous Mexican Lizard (*Heloderma horridum*); several Sharks and Rays from Port Jackson, among them a large Saw-fish (*Pristis pectinatus*).

(4.) Specimens of the most important types of Mollusca obtained during the year have been placed on exhibition in the table-cases; amongst these may be especially mentioned—An enlarged model of *Turbonilla dipsycha*, showing the peculiar sinistral nucleus; a pearl oyster with a fish enclosed beneath the nacre; the type of *Fusus percyanus*, and others. The exhibited collection of *Brachiopoda* has also been remounted in glass-topped boxes and furnished with printed labels.

(5–9.) The following specimens have been added to the exhibition series in the Insect Gallery :—Two nests of a rare Trap-door Spider (*Dendrichon rastratum*), two nests of a gregarious moth (*Hypsoides bipars*) from Madagascar, and a fine nest of *Vespa vulgaris* from Surrey.

 (10.) A Second

(10.) A second new case has been added to the British Gallery for the exhibition of suitable specimens of Echinoderms.

Coloured drawings illustrating the general appearance when living, of some of the commonest British Holothurians have been placed on the walls of this Gallery.

A magnificent example of the Black Coral of the Mediterranean (*Gerardia savalia*) has been mounted in a separate case in the Coral Gallery; also a very fine specimen of the elegant *Arachnopathes ericoides*, and the remarkable new Antipathid (*Antipathes robillardi*). A selection of Pennatulids in spirits is now, for the first time, placed on exhibition.

(11.) Numerous microscopic preparations of Sponges, Polyzoa, and Protozoa have been secured in slide-boxes.

IV.—*Duplicates.*

No duplicates were distributed among museums: but a few Mammals and Insects, and 1,000 Birds were utilized in exchanges. Of the "Challenger" duplicates, 100 fishes, 240 Mollusks, 250 Crustaceans, 46 Echinoderms, and 24 Annelids were sent in exchange for similar sets to the Indian Museum, Calcutta, the Paris Museum, and the United States National Museum.

V.—*Departmental Library.*

The Departmental Library has acquired by purchase, presentation, or exchange, 85 works, in 128 volumes, besides 468 new numbers of periodicals and works in progress; of the latter, 43 volumes have been completed within the year. The total number of works now in the Library is 9,751, represented by 15,568 volumes.

All the additions during the year have been entered in the Purchase Book, catalogued, press-marked, stamped, and placed; 131 volumes have been bound.

VI.—*Catalogues.*

The following Catalogues have been issued during the year 1890:—

1. Catalogue of Birds, vol. XIII., Sturniformes (8vo. 701 pp., 14 plates, and numerous woodcuts), by R. B. Sharpe.

2. Catalogue of Birds, vol. XV., Tracheophonæ, (8vo. 372 pp., 20 plates, and numerous woodcuts), by P. L. Sclater.

3. Catalogue of Birds, vol. XVIII., Pici, (8vo. 398 pp., 15 plates, and numerous woodcuts), by E. Hargitt.

In addition to the above works, vols. XVI. and XIX. of the "Catalogue of Birds," and part VIII. of "Illustrations of Types of Lepidoptera Heterocera," are in the press, and the manuscripts

manuscripts of vols. XVII. and XX. of the "Catalogue of Birds," and the "Catalogue of Snakes," and of a "Catalogue of British Echinoderms," are in course of preparation.

The following are the most important reports or descriptive papers which have been prepared by the Departmental staff, in connection with various parts of the collection, especially recent acquisitions, and have been published in scientific journals:—

(1.) "On a collection of Mammals from Central Vera Cruz, Mexico"; "On a collection of Mammals obtained by Dr. Emin Pasha in Central and Eastern Africa"; "A Milk-dentition in *Orycteropus*"; by O. Thomas.

(2.) "Descriptions of three new species of Flycatchers"; "On a small collection of Birds from Mount Penrisen, Sarawatti"; "On a new Sparrow-hawk (*Accipiter granti*) from Madeira"; "Notes on Specimens in the Hume Collection of Birds. No. 6. On the *Corociidæ* of the Indian Region, with descriptions of some new species," by R. B. Sharpe; "On some new and rare Francolins"; "Note on some Birds obtained at Madeira, Deserta Grande, and Porto Santo," by W. R. O. Grant.

(3.) "Report on the Reptiles and Fishes of Fernando Noronha"; "Fourth contribution to the Herpetology of the Solomon Islands"; "List of Reptiles, Batrachians, and Fishes from the district of Deli, Sumatra"; "First report on additions to the Lizard Collection in the British Museum"; "Second report on additions to the Batrachian Collection in the British Museum"; "Notes on the secondary sexual characters in the South African Tortoises of the genus *Homopus*"; "Descriptions of two new Siluroid Fishes of the genus *Arges*"; "List of the Reptiles and Batrachians of Amurland"; "Description of a new Snake, obtained by Dr. Emin Pasha"; "Descriptions of two new Cyprinodontoid Fishes"; "On the Ophidian genus *Pseudoxyrhopus*"; "On the distinctive cranial characters of the Iguanoid Lizards allied to Iguana," by G. A. Boulenger.

(4.) "Report on the Marine Molluscan Fauna of the Island of St. Helena"; "On the Marine Mollusca of Ascension Island"; "On a new genus (*Nassopsis*) and some new species of Shells from Lake Tanganyika"; "A list of the Species of *Achatina* from South Africa, with the description of a new species"; "A list of Shells from the Tizard Bank, China Sea," by E. A. Smith.

(5.) "Report upon the Crustacea collected by P. W. Bassett Smith, Esq., Surgeon, R.N., during the Survey of the Macclesfield and Tizard Banks"; "Report upon a small collection of Scorpions and Centipedes sent from Madras by Mr. Edgar Thurston, of the Government Central Museum;" "Descriptions

tions of two new species of Scorpions brought by Emin Pasha from the inland parts of East Africa"; "A short Account of a small collection of Myriopoda obtained by Mr. Edward Whymper in the Andes of Ecuador"; "Contributions to our knowledge of the Chilopoda of Liguria"; "A Revision of the genera of Scorpions of the family *Buthidæ*, with descriptions of some new South African species," by R. J. Pocock.

(6.) "Descriptions of new Pectinicorn Coleoptera"; "New *Scarabæidæ* in the British Museum"; "Further descriptions of new Coleoptera of the family *Scarabæidæ* in the British Museum"; "On some Eastern Equatorial African Coleoptera collected by Emin Pasha"; "Descriptions of new species of *Pedaria*, with observations on allied *Scarabæidæ*," by C. O. Waterhouse. "On new Longicornia from Africa and Madagascar"; "Notes on West Indian Longicorn Coleoptera, with descriptions of new genera and species"; "Notes on Longicorn Coleoptera of the group *Cerambycinæ*, with descriptions of new genera and species"; "On new Longicorn Coleoptera from Madagascar," by C. J. Gahan.

(7.) "Notes on the Genus *Dyschorista*, Led., a small group of Moths allied to *Orthosia*"; "Further notes on the synonymy of the genera of Noctuites"; "List of Lepidoptera in a collection made by Emin Pasha in Central Africa," by A. G. Butler.

(9.) "On the Insects (except Coleoptera) of Fernando Noronha," by W. F. Kirby.

(10.) "On Echinoderms collected by Mr. Bourne in deep water off the S.W. of Ireland," by F. J. Bell.

(11.) "Report on the Hydrozoa and Polyzoa collected in Torres Straits by Professor Haddon," by R. Kirkpatrick.

Finally, the following works written by authors not connected with the Museum, or by members of the staff in their extra-official time, should be referred to as being more or less ei r ely based upon the collections in the Museum :—

The Fauna of British India, Mammalia, Part I. By W. T. Blanford. Birds, vols. 1 and 2, by E. W. Oates. Reptilia and Batrachia. By G. A. Boulenger (1888–90).

A Monograph of the Canidæ. By St. George Mivart (1890).

A Monograph of the Hirundinidæ. By R. B. Sharpe and C. W. Wyatt (1885–90).

VII.—*Acquisitions.*

During the past year the Department has been increased by the addition of 77,658 specimens, which are distributed among the various branches as follows :—

	By Presentation.	By Purchase.	By Exchange.	TOTAL.
Mammals — Challenger Collection	18	—	—	18
Mammals — Other Sources	322	43	39	404
Birds — Salvin and Godman Collections	4,044	—	—	4,044
Birds — Seebohm Collection	405	—	—	405
Birds — Sclater Collection	—	834	—	834
Birds — Shelley Collection	—	743	—	743
Birds — Other Sources	1,815	360	136	2,311
Reptiles — Challenger Collection	19	—	—	19
Reptiles — Other Sources	353	207	64	624
Batrachians	180	36	42	258
Fishes — Challenger Collection	184	—	—	184
Fishes — Other Sources	749	465	189	1,403
Tunicata	43	5	—	48
Mollusca — Challenger Collection	416	—	—	416
Mollusca — Other Sources	3,640	377	273	4,290
Polyzoa — Challenger Collection	20	—	—	20
Polyzoa — Other Sources	422	6	—	428
Crustacea	295	6	704	1,005
Arachnida — Keyserling Collection	—	10,000	—	10,000
Arachnida — Other Sources	747	19	—	766
Myriopoda	603	5	—	608
Insects — Challenger Collection	83	—	—	83
Insects — Salvin and Godman Collections	10,723	—	—	10,723
Insects — Baly Collection	—	8,273	—	8,273
Insects — Frey Collection	—	16,000	—	16,000
Insects — Yerbury Collection	1,762	—	—	1,762
Insects — Walker Collection	1,375	—	—	1,375
Insects — Other Sources	6,312	443	110	6,865
Vermes — Challenger Collection	141	—	—	141
Vermes — Other Sources	63	11	62	136
Echinoderms — Challenger Collections	1,209	—	—	1,209
Echinoderms — Other Sources	853	99	79	1,031
Sponges — Challenger Collection	15	—	—	15
Sponges — Other Sources	517	7	—	524
Anthozoa — Challenger Collection	80	—	—	80
Anthozoa — Other Sources	69	14	27	110
Hydrozoa — Challenger Collection	24	—	—	24
Hydrozoa — Other Sources	227	4	—	231
Protozoa — Challenger Collection	216	—	—	216
Protozoa — Other Sources	32	—	—	32
TOTAL	37,976	37,957	1,725	77,658

as compared with 69,270 in the year 1889.

44,087	,,	1888.
65,199	,,	1887.
36,358	,,	1886.
123,358	,,	1885.
45,574	,,	1884.
31,466	,,	1883.
19,902	,,	1882.
49,602	,,	1881.

The most important acquisitions were the following:—

1. Of the collections made during the voyage of H.M.S. "Challenger," and presented by the Lords Commissioners of the Treasury, the following were received in 1890:—

(*a.*) Eighteen Mammals.

(*b.*) Nineteen Reptiles.

(*c.*) One hundred and eighty-four Fishes.

(*d.*) Four hundred and sixteen specimens of Mollusca (two hundred and forty-two Marine, and one hundred and seventy-four Terrestial.)

(*e.*) Twenty Polyzoa.

(*f.*) Eighty-three Pelagic Hemiptera.

(*g.*) One hundred and forty-one Worms (principally *Chætognatha*).

(*h.*) One thousand two hundred and nine Echinoderms (chiefly *Asteroidea*).

(*i.*) Fifteen Sponges (various Orders).

(*j.*) Eighty Anthozoa (*Alcyonaria* and *Antipatharia*).

(*k.*) Twenty-four Hydrozoa (various Orders).

(*l.*) Two hundred and sixteen Radiolaria.

2. The sixth instalment of the Godman-Salvin collection of birds, referred to in the Report for 1885. This series consists of four thousand and forty-four specimens, and contains one type and nineteen species new to the collection; presented by Osbert Salvin, Esq., F.R.S., and F. Du Cane Godman, Esq., F.R.S.

3. The final instalment of the Sclater collection of birds, representing the *Cypselidæ*, *Caprimulgidæ*, *Momotidæ*, *Alcedinidæ*, *Trogonidæ*, *Psittacidæ*, *Galbulidæ*, and *Bucconidæ*, containing eight hundred and thirty-four specimens and including nineteen types and eleven species new to the collection; purchased.

4. Four hundred and five specimens of *Alaudidæ*, *Upupidæ*, and *Alcedinidæ*, chiefly from the Swinhoe collection, together with others obtained by the donor in Siberia, and by other travellers in the Palæarctic Region, and including eight

eight types and three species new to the collection; presented by Henry Seebohm, Esq.

5. The second instalment of the collection of African birds formed by Captain G. E. Shelley, containing seven hundred and forty-three specimens, and comprising the families *Caprimulgidæ*, *Cypselidæ*, *Bucerotidæ*, *Upupidæ*, *Alcedinidæ*, *Coraciidæ*, *Meropidæ*, *Trogonidæ*, *Psittacidæ*, and *Musophagidæ*, of which four are types and five species new to the collection; purchased.

6. Five hundred and thirty Birds from Africa; being the collection formed by the late Mr. J. H. Gurney, and the originals of the numerous papers written by him and Mr. T. Ayres on African Ornithology; presented by J. H. Gurney, Esq., Jun.

7. A valuable collection received through the Hydrographer of the Admiralty, and consisting of two human crania, two eggs of the Osprey, twenty-four Reptiles and Batrachians, one hundred and sixty land and fresh-water Shells, thirteen Crustacea, four Scorpions, a *Galeodes*, a new genus and species of *Scolopendridæ*, one hundred and eighty-nine Hymenoptera, ten Diptera, two hundred and eighty-four Butterflies and one hundred and twenty-three Moths, one Trichopteron, two Termites, twenty-three Orthoptera, and one hundred and forty-six Rhynchota; collected by J. J. Walker, Esq., Chief Engineer, R.N., during the outward voyage of H.M.S. "Penguin,"

8. The collection of Arachnida formed by the late Count Keyserling is one of the five large collections of Spiders known to exist at present in private or public museums. It comprises more than two thousand species, or about ten thousand specimens. The great value of this collection, however, consists less in the number of species and well-preserved specimens from every part of the world, than in the number of types described by himself (884), and especially in the large proportion of specimens, the correct determination of which can be relied upon, having been authenticated by him during his visits to other Museums and by his interchanges with other Arachnologists; purchased.

9. The valuable collection of Lepidoptera formed by the late Professor Frey, consisting of sixteen thousand named specimens in beautiful condition, and chiefly pertaining to the Alpine Fauna of Europe; of these the Macro-Lepidoptera are represented by seven thousand, and the Micro-Lepidoptera by nine thousand examples, comprising together four thousand five hundred species. This important acquisition is only second in value to the Zeller collection reported upon in the statement of additions for 1884 and 1885; purchased.

10. The sixth, seventh, and eighth instalments of Central American

American Coleoptera, comprising—1, a supplementary series of *Cicindelidæ*, described by Mr. H. W. Bates in the Transactions of the Entomological Society, and consisting of five hundred and thirty-two specimens, twenty-seven species and seventeen types; 2, the Pectinicorn and Lamellicorn Coleoptera described by Mr. Bates in the "Fauna Centrali-Americana," and consisting of seven thousand three hundred and ninety-six specimens, or eleven hundred species and four hundred and ninety-four types; 3, the *Buprestidæ* described in the same work by Mr. C. O. Waterhouse, consisting of two thousand seven hundred and ninety-five specimens, or four hundred and twenty-three species and two hundred and ninety-four types; presented by Osbert Salvin, Esq., F.R.S., and F. du Cane Godman, Esq., F.R.S.

11. The sixth and last instalment of the "Baly" Collection of Coleoptera; consisting of eight thousand two hundred and twenty-three *Galerucidæ*, including nine hundred and ninety-five named species and four hundred and seventy-three types; purchased.

12. A valuable series of one hundred and seventy-seven Aculeate Hymenoptera from various parts of the Russian Empire, representing one hundred and four species, mostly types of species described by the donor; presented by General O. Radoszkowski.

13. A fine collection of insects from Devonshire, consisting of one thousand six hundred Diptera, one hundred and fifty Neuroptera, and twelve Hymenoptera, every specimen labelled with the exact locality in which it was obtained, and the date of its capture. This collection is especially valuable on account of the good condition of the specimens, and will be most useful for the formation of an authentic collection of British Diptera; collected and presented by Major J. W. Yerbury.

14. A collection made by Dr. Emin Pasha during his retreat from the Equatorial Province of Africa, and presented by him. It consists of thirty-five Mammals; twenty-eight Birds; eight Reptiles, including a new Snake (*Glauconia emini*); a hundred and eighty-four land and fresh-water Shells; twelve Arachnida, including two new Scorpions (*Buthus emini* and *Scorpio viatoris*); forty-eight Coleoptera, including a new Longicorn (*Plocœdrus emini*); two hundred and thirty Lepidoptera, including two new species (*Teracolus emini* and *Eusemia indecisa*); thirteen Rhynchota, five Diptera, three Hymenoptera, a Mantis (*Idoleum diabolicum*) and a new genus of Earthworms (*Eminiodrilus*).

15. A series of one hundred and sixty-one fresh-water Sponges and one hundred and eighty-eight microscopic preparations. This collection contains all the known species, and has been named and presented by H. J. Carter, Esq., F.R.S.

16. A series

16. A series of two hundred and seventy-five Echinoderms of great interest from the "Porcupine" collection, apparently containing the types of several species, such as *Phocidaris purpurata* and *Phormosoma placenta;* as well as examples of very rare Northern forms of which the Museum has long felt the want; transferred by Dr. J. Murray with the "Challenger" duplicates.

Mammalia.—The additions to this class during the year 1890 were four hundred and twenty-two, of which the following are the most important :—

The skeleton of an Andamanese woman; presented by Sir Benjamin Simpson, M.D.

Two Fijian and one Chenook skulls; presented by Dr. J. J. L. Donnet.

Two Negro and two Egyptian skulls; presented by H. M. Stanley, Esq.

The skeleton of a Chillingham Bull; presented by the Duke of Hamilton.

A stuffed Bull, a Cow's head, and a Cow's skeleton of the Chillingham Wild Cattle; presented by the Earl of Tankerville.

Five spirit specimens and nine skulls of Insectivora from various localities; some of the skulls figured in the donor's "Monograph"; presented by Dr. G. E. Dobson, F.R.S.

Twenty-eight Mammals from Italy, Burma, and South America, including several species new to the collection; presented by the Marquis G. Doria.

Four Mammals from various localities, including a skin of *Equus grevyi* new to the collection; presented by P. L. Sclater, Esq., F.R.S.

The skeleton of a Musk-Ox (*Ovibos moschatus*) from Liverpool Bay, Arctic America; presented by the Earl of Lonsdale.

Eight skins and skulls from the Arctic regions; bequeathed by the late Dr. McCormick.

Twelve Mammals from the Saiar Mountains, Altai, including males, females and young of the Argali Wild Sheep (*Ovis ammon*) and of the Afghan Gazelle (*Gazella subgutturosa*); presented by St. George Littledale, Esq.

Skeletons of a Chinese Goral (*Nœmorhedus cinereus*) and a Bamboo rat (*Rhizomys sinensis*) from Ichang; presented by Percy Montgomery, Esq.

A collection of sixty-four Soricidæ from India, mostly figured or referred to in the donor's work on the Mammals of India, and in Mr. G. E. Dobson's "Monograph of the Insectivora"; presented by W. T. Blandford, Esq., F.R.S.

Two skulls of the Gour (*Bos gaurus*) from Mysore; presented by P. Bosworth Smith, Esq.

A Mouse and three Bats from Ceylon; presented by E. E. Green, Esq.

Ten Mammals from Sarawak, including the type of a new Squirrel (*Sciurus everetti*); collected by A. H. Everett, Esq.

Three Mammals from Sarawak; presented by Dr. G. D. Haviland.

The skin of a Monk-Seal (*Monachus albiventris*) from the Desertas Islands; presented by H. C. Hinton, Esq., and C. J. Cossart, Esq.

Nineteen small Mammals from Egypt; presented by F. S. Worthington, Esq.

Nine small Mammals from the Gold Coast, including one Bat (*Epomophorus veldkampi*) new to the collection; presented by R. Austin Freeman, Esq.

Ten small Mammals from the Transvaal; presented by W. L. Distant, Esq.

Eleven small Mammals from South Texas; presented by W. Taylor, Esq.

Eleven small Mammals from Mexico and Florida, including three species new to the collection; received in exchange from the United States National Museum.

Seven small Mammals from Mexico; presented by Osbert Salvin, Esq., F.R.S., and F. Du Cane Godman, Esq., F.R.S.

Seven Mammals from Tolima, Colombia; presented by R. B. White, Esq.

Four Bats and a Rat from Trinidad; presented by J. H. Hart, Esq.

Nine Mammals from the Herbert River, Queensland, including four species new to the collection; received in exchange from the Sydney Museum.

Seven Bats and Rats from the South Sea Islands; presented by J. J. Lister, Esq.

Birds.—Eight thousand three hundred and thirty-seven additions have been made to this class. In addition to the collections already mentioned, the following are the most important:—

One hundred and thirty-six eggs from Spain and other parts of the Mediterranean region; presented by Lord Lilford.

Two hundred and sixteen eggs of birds from Fao, Persian Gulf; presented by W. D. Cumming, Esq.

Seventeen eggs from the Islands of N.W. Australia; presented by Lieutenant Gerald Oliver, R.N.

One hundred and sixty birds and eggs from various localities visited by the Antarctic Expedition; bequeathed by the late Dr. McCormick.

Three British birds, including the only specimen of *Turdus sibiricus* as yet killed in England; bequeathed by the late Frederic Bond, Esq.

Nest, with eggs and adult birds of the Crested Tit, from Scotland; presented by Lieutenant Colonel Irby.

Nest, with eggs and adult birds of the Bearded Tit, from Norfolk; presented by R. W. Chase, Esq.

A hundred

A hundred and one specimens of Birds from Piedmont; presented by the Turin Museum.

Three specimens of Holboell's Falcon (*Hierofalco holboelli*) from Iceland; presented by J. C. Millais, Esq.

Forty-seven Birds from the Altai Mountains; presented by St. George Littledale, Esq.

One hundred and sixty-eight specimens of Birds from the collection made by the late Dr. Severtzoff in various parts of Central Asia; purchased.

Forty-two specimens of Birds from China; presented by F. W. Styan, Esq.

Eleven Birds from Java and Billiton, including three species new to the collection, one being the type of *Siphia vordermani;* presented by Dr. Vorderman.

One hundred specimens of birds from Mount Penrisen and other parts of Borneo, including the types of *Siphia everetti* and *S. nigrogularis,* besides nine species new to the collection; purchased.

Twenty-five specimens of birds from the Philippine Islands, collected during the Steere expedition, including the type of *Ceyx bournsi,* and nine species new to the collection; purchased.

Eighty-two specimens of birds from Madeira and the Desertas, including the type of *Accipiter granti;* presented by W. R. Ogilvie Grant, Esq.

Eggs and young, with the adult birds, of the Cream-coloured Courser; also four specimens of birds from the Canary Islands, three of them being species new to the collection; presented by E. G. Meade-Waldo, Esq.

Sixteen birds collected on the Aruwhimi River, by the late Mr. J. S. Jameson, including six species new to the collection, and the types of *Cossypha bartelloti, Diaphorophyia jamesoni* and *Pholidornis jamesoni;* presented by Mrs. Jameson.

Twenty birds from the River Niger; presented by Captain Mochler Ferryman.

Specimens of two species of Bustard from Somali Land, *Otis heuglini* and *O. guidiana,* both new to the collection; presented by C. Chevallier, Esq.

Nineteen birds from the Sandwich Islands, collected by Mr. Kruedsen, and containing eight species new to the collection; received in exchange from the Christiania Museum.

The type of *Pyrrhulopsis koroensis,* Layard; presented by Henry Seebohm, Esq.

Thirty-eight specimens collected on the Bellenden Ker Range, in Queensland, including four species new to the collection; received in exchange from the Australian Museum, Sydney.

Reptiles.—Six hundred and forty-three additions were made to this class. The most important are as follows:—

The skull of the type specimen of *Geoemyda aracana;* presented by W. Theobald, Esq.

Twenty Reptiles from Austria; received in exchange from Dr. Franz Werner, of Vienna,

Twenty Snakes from Italy and Dalmatia; presented by Count M. G. Peracca.

Forty-one specimens from Transcaspia; obtained partly by purchase, partly by exchange.

Twenty-seven specimens from Ceylon, including the rare *Calotes liocephalus*, *C. liolepis* and *Oligodon templetonii*; presented by E. E. Green, Esq.

Ten Lizards from Egypt; presented by S. F. Worthington, Esq.

The type of a new genus of Geckos (*Platypholis fasciata*) and a Snake new to the collection (*Typhlops unitæniatus*), from Mombasa, East Africa; purchased,

Twelve specimens from Pretoria, Transvaal, including a new Snake(*Glauconia distanti*); presented by W. L. Distant, Esq.

Twelve specimens from Port Elizabeth; presented by Mr. J. L. Drege.

Thirty specimens from South Africa; presented by H. A. Spencer, Esq.

A new Lizard (*Chamæsaura didactyla*) from South Africa; purchased.

A rare Gecko (*Phelsuma guentheri*), from Round Island, near Mauritius; presented by W. Scott, Esq.

Twenty-one specimens from the Islands of Torres Straits; presented by A. C. Haddon, Esq.,

Two specimens of a Lizard (*Lygosoma devisii*) new to the collection, from Queensland; presented by G. B. Howes Esq.

Sixteen Lizards from various South Pacific Islands; presented by J. J. Lister, Esq.

Five rare Lizards from New Caledonia; purchased.

Type specimens of two new Lizards (*Lygosoma maccooeyi* and *L. boulengeri*) from New South Wales; received in exchange from the Australian Museum, Sydney.

Forty-six specimens from Texas and N. E. Mexico; purchased.

Two specimens of a North American Snake, new to the collection (*Conopsis lineatus*); obtained in exchange from the Paris Museum.

Seventy-four specimens from Mexico, including types of a new Lizard (*Sceloporus pleurolepis*) and two new snakes (*Geophis omiltemanus* and *Homalocranium breve*); presented by Osbert Salvin, Esq., F.R.S., and F. Du Cane Godman, Esq., F.R.S.

Eighty-seven specimens from Mexico; purchased.

Twenty-two specimens from St. Vincent; presented by F. Du Cane Godman, Esq., F.R.S.

The types of two new genera of Lizards (*Echinosaura horrida* and *Ptychoglossus bilineatus*) from Ecuador; purchased.

A new Lizard (*Ctenoblepharis jamesii*) from the Province of Tarapaca, Chili; presented by H. Berkeley James, Esq.

Batrachians

Batrachians.—Two hundred and fifty-eight specimens were added to this class, of which the following are most noteworthy :—

Eighteen specimens from Austria; received in exchange from Dr. Franz Werner, of Vienna.

Twenty-one specimens from the Parnassus; purchased.

A new Toad (*Bufo surdus*) from Beluchistan; purchased.

Thirty-six specimens from Ceylon; presented by E. E. Green, Esq.

Early larvæ of a Cæcilian (*Ichthyophis glutinosus*) from Ceylon; presented by Drs. F. & P. Sarasin.

Eight specimens from Pretoria, Transvaal; presented by W. L. Distant, Esq.

Twenty-three specimens from Port Elizabeth; presented by J. M. Leslie, Esq.

Seven specimens from Port Elizabeth; presented by H. A. Spencer, Esq.

Nine specimens from New South Wales, including examples of two rare Toads (*Pseudophryne coriacea* and *Notaden bennetti*) and the type of a new genus (*Phanerotis fletcheri*); presented by J. J. Fletcher, Esq.

Ten specimens from St. Vincent; presented by F. Du Cane Godman, Esq., F.R.S.

Ten specimens from Trinidad; presented by J. H. Hart, Esq.

Fishes.—To this class one thousand, five hundred and eighty-seven additions were made during the year; the following may be especially mentioned :—

Sixty-five specimens from the French "Talisman" and Cape Horn Expeditions, mostly duplicates of bathybial species described by Prof. Vaillant; received in exchange from the Paris Museum.

Seventy-six specimens from deep water off the Scottish Coast; presented by Dr. J. Murray.

A fine specimen of the Grayling (*Thymallus vulgaris*), from Stockbridge; presented by the Earl of Ducie, F.R.S.

A specimen of a rare British Flat-fish (*Arnoglossus grohmanni*), from the Kenmare River; presented by the Rev. W. S. Green.

Eighty-one specimens from Dalmatia; presented by Prof. Kolombatović.

Thirteen deep-sea fish from Madeira, including the types of four new species (*Anthias mundulus, Scopelus schmitzii, S. pusillus* and *Gonostoma maderense*); presented by J. Y. Johnson, Esq.

Eighty-nine deep-sea fishes from the Indian Ocean, including the types of many new species, obtained by Her Majesty's Indian Marine Survey Steamer "Investigator," and described by Surgeon A. Alcock; received in exchange from the Indian Museum, Calcutta.

The type of a new deep-sea fish (*Lophotes fiskii*), from the Cape of Good Hope; presented by the Rev. G. H. R. Fisk.

Thirty-six specimens from Torres Straits; presented by Professor A. C. Haddon.

Thirty-two specimens from various Islands in the South Pacific; presented by J. J. Lister, Esq.

A very rare deep-sea fish (*Anomalops palpebratus*), new to the collection, from the New Hebrides; and ten large fish from New South Wales, including *Serranus gigas*, *Carcharodon rondeletii*, and *Galeus australis*, received in exchange from the Australian Museum, Sydney.

Two hundred and forty-three specimens from Australia; transferred from the Imperial Institute.

Thirty-five specimens from Port Phillip, Victoria; presented by J. Bracebridge Wilson, Esq.

Three hundred and seventy-five specimens from California; purchased.

Eighty-seven American fishes, mostly from Brazil; presented by Professor A. Agassiz to the "Challenger" office, and received with the duplicates of the "Challenger" collection.

Thirty-nine fresh-water fishes from Mexico; purchased.

Sixteen fresh-water fishes from British Honduras; purchased.

Thirty-two fresh-water fishes from St. Vincent, West Indies; presented by F. Du Cane Godman, Esq., F.R.S.

Specimens of a new fish (*Haplochilus hartii*) from Trinidad; presented by J. H. Hart, Esq.

Twenty-one specimens from Brazil; presented by J. Wilson Barker, Esq.

Eighteen specimens from Brazil; purchased.

Specimens of two fishes new to the collection (*Centromochlus perugiæ* and *Characidium purpuratum*), from Ecuador; purchased.

The type of a new fish (*Salilota bovei*) and specimens of a fish new to the collection (*Cynolebias bellottii*), from the Argentine Republic; presented by the Marquis G. Doria.

Mollusca.—To this class, including Tunicata, four thousand seven hundred and fifty-four specimens were added. In addition to the "Challenger" collection, already mentioned, the following were noteworthy:—

A specimen of *Morio echinophorus*, from two hundred and twenty fathoms, off Achill Head; presented by the Royal Dublin Society.

A fine specimen of *Histioteuthis rüppelli*, from the Mediterranean; purchased.

Fifty-six Mollusca from British Columbia; presented by the Rev. J. H. Keen.

Seventy specimens from various localities, including the types of *Trophon stewarti* from Vancouver Island and *Fusus percyanus*; purchased.

A pearl oyster, from central America, with a fish (*Fierasfer*) enclosed beneath the nacre; purchased.

Six

Six hundred and sixty-nine marine Shells from the Bahamas; presented by G. Buchanan, Esq.

Twenty-nine land and fresh-water Shells from Lagos; presented by Sir Alfred Moloney, C.M.G.

Four hundred and seventy specimens of land, fresh-water, and marine Shells from Port Elizabeth, Tasmania, and other localities; presented by J. H. Ponsonby, Esq.

Fifty marine Shells from Port Elizabeth; presented by H. A. Spencer, Esq.

Thirty-six land and fresh-water Shells from the Tanganyika region, including the new species *Turbonilla terebriformis, Stroptostele horei and S. simplex*; presented by E. Coode Hore, Esq.

The type of *Helix percyanus*, from Madagascar; purchased.

A hundred and twenty-two marine Mollusca from the Mauritus, including two splendid specimens of *Pterocera bryonia*; purchased.

Seven specimens of *Rostellaria delicatula*, from the Bay of Bengal; presented by the Indian Museum, Calcutta.

A hundred and fifty-four land Shells from the Philippine Islands, including some very remarkable forms of *Ennea*; purchased.

Two hundred and ninety-two land and fresh-water, and forty-one marine Shells from North Borneo; presented by A. Everett, Esq.

Twenty-one marine Shells from Australia, and forty-three land and fresh-water Shells, including a number of new species and a fine series of *Pupinella angasi;* presented by J. Brazier, Esq.

A very fine specimen of *Sepia apama*, from Port Jackson; presented by J. Brazier, Esq.

A collection of three hundred and eight Shells from Adelaide; presented by C. H. Wigram, Esq.

Seventy-eight marine Shells from various localities, including a fine example of *Calliostoma spectabilis* from New Zealand; bequeathed by Dr. McCormick.

A hundred and seven Mollusca from the Samoa and Tonga Islands; presented by J. J. Lister, Esq.

Polyzoa.—Four hundred and forty-eight specimens were added during the year; the following may be especially mentioned:—

Forty-seven Polyzoa, forming part of the collection obtained by the "Porcupine" and "Lightning" expeditions; transferred by Dr. J. Murray with the "Challenger" duplicates.

A hundred and forty-nine Polyzoa from Torres Straits; collected and presented by Professor Haddon.

Thirty-four Polyzoa from the Coast of Brazil; presented by D. Wilson Barker, Esq.

Crustacea.—One thousand and five specimens have been added to this class; the following are most worthy of mention :—

Ninety specimens, principally Brachyura, from Pamban and Tuticorin ; identified by Dr. Henderson and presented by Edgar Thurston, Esq.

Eighty specimens of Pycnogonida from the Arctic Ocean, identified by Professor G. O. Sars ; received in exchange from the Christiania Museum.

Two hundred and ninety-six specimens from the American shores of the Atlantic, identified by S. I. Smith, Esq. ; received in exchange from the United States National Museum.

Three hundred and twenty-five specimens from Peru and Cayenne, including many rare species of Brachyura ; received in exchange from the Warsaw Museum.

Thirty-four specimens of Entomostraca, including the types of eight species (*Chlamydotheca australis, Cypris tenuicauda, C. mytiloides, C. tatei, Limnetis tatei, Eulimnadia rivoliensis, Lepidurus viridulus,* and *Estheria packardi*) from South Australia ; presented by Professor T. Rupert Jones.

Arachnida.—To this class ten thousand seven hundred and sixty-six specimens have been added. Besides the "Keyserling" collection already mentioned, the following were the most important acquisitions :—

A specimen of *Rhax eylandti,* from Askhabad, new to the collection ; received in exchange from the Warsaw Museum.

Fifteen Scorpions from Madras, including an example of a new species (*Hormurus lœviceps*); presented by Edgar Thurston, Esq.

Forty-four specimens from Ceylon, including representatives of two new species of Trap-door Spiders, with their nests ; presented by E. E. Green, Esq.

Four examples of an undescribed Spider, taken from holes in a coral reef near Singapore ; presented by Lieutenant Kelsall.

Twenty-three Scorpions from Algeria, including examples of *Buthus leptochelys,* new to the collection ; presented by Dr. John Anderson, F.R.S.

Eight Arachnida from Mombasa, including examples of *Parabuthus granulatus,* new to the collection, also a specimen of a new Scorpion (*Lepreus nigrimanus*), and an example of a new species of the genus *Rhax* ; purchased.

Sixty specimens from Rio del Rey and the Cameroons, including examples of *Rhoptrurus buttneri,* new to the collection ; presented by P. L. Sclater, Esq., F.R.S.

A hundred and forty-three specimens from South Africa including

including several species new to the collection; presented by H. A. Spencer, Esq.

Sixty-nine specimens from British Guiana, including examples of the rare genera *Broteas* and *Chactas*; presente by W. L. Sclater, Esq.

Fify-one specimens from Caraccas, including several species new to the collection; presented by Dr. Ernst.

Two specimens of the rare tree Trap-door Spider (*Dendricon rastratum*), with nests, from Bahia; presented by Captain David Wilson Barker.

Myriopoda.—To this class six hundred and eight additions have been made; the most important are:—

Thirty-eight specimens from Madras, including examples of *Heterostoma spinosum* and *Paradesmus kelaarti*, new to the collection; also representatives of five new species (*Otostigma nudum, O. ruficeps, O. morsitans, O. splendens* and *Himantosoma striatum*); presented by Edgar Thurston, Esq.

Sixty-five specimens from Ceylon, including examples of *Heterostoma paucispinosum, Leptodesmus thwaitesii, L. inornatus, Strongylosoma simplex, Polydesmus cognatus*, and *Siphonophora picteti*, new to the collection; also specimens of two undescribed species of *Strongylosoma*, one of *Polydesmus* and one of *Polyxenus*; presented by E. E. Green, Esq.

Ninety-eight specimens from Algeria, including specimens of *Lithobius lucasii, Cupipes gervaisianus, Geophilus pusillus, Glomeris fusco-marmorata* and *G. flavomaculata*, new to the collection; presented by Dr. John Anderson, F.R.S.

Ninety-eight specimens from Cape Town, Port Elizabeth, and Port Natal, including examples of *Trematoptychus afer* and *Cormocephalus punctatus*, new to the collection, as well as four new species and two new genera of *Geophilidæ* and *Scolopendridæ* and several new species of *Diplopoda*; presented by H. A. Spencer, Esq.

Thirty-four specimens from high altitudes in the Andes of Ecuador, including examples of *Otostigma scabricauda* and *Stenonia rufipes*, new to the collection, and of two new species (*Newportia dentata* and *N. monticola*; presented by E. Whymper, Esq.

Twenty specimens from Maungatua, near Dunedin, including an example of *Craspedosoma trisetosum* and three examples of the rare genus *Icosidesmus*, new to the collection; presented by J. Vaughan Jennings, Esq.

Insects.—The total number of specimens acquired during

the year amounted to forty-five thousand and eight-one They are distributed among the various orders as follows:—

Coleoptera	20,928
Hymenoptera	391
Lepidoptera	19,425
Diptera	2,511
Neuroptera	329
Trichoptera	180
Orthoptera	230
Rhynchota	1,087
Total	45,081

In addition to the collections already referred to, the following are the most important acquisitions:—

(From Great Britain.)

Three hundred and thirty Diptera from Rugby, and fifty from Tilgate Forest and Kingsbury; presented by E. E. Austen, Esq.

Fifty Diptera from Hillingdon; presented by O. Thomas, Esq.

A Wasp's nest from Witley, Surrey; presented by Miss Evans.

A mass of cells formed by a humble-bee (*Bombus hortorum*), from Willesden; presented by W. R. Holl, Esq.

Thirty-three Microlepidoptera from England; presented by H. Vaughan, Esq.

Twenty-one rare British Microlepidoptera, with authentic localities, including the types of *Homœosoma saxicola* (Vaughan), and *H. senecionis* (Vaughan); purchased.

(From Europe.)

Sixty Coleoptera from Iceland; presented by the Rev. F. A. Walker, D.D.

Sixty-six Coleoptera, and a hundred and fifty Lepidoptera from Iceland, including specimens of *Eupithecia scoriata, Ypsipetes trifasciata, Aphelia osseana, Lita stralitziella,* and *L. acuminatella.* Eighty Trichoptera, including *Grammotaulius atomarius;* two hundred and twenty Diptera, among them *Symplecta punctipennis, Thyetodesia variabilis, Limnosina zertocœ* and *Rhypholophus tephronotus;* also fifteen *Ichneumonidæ*; presented by P. B. Mason, Esq., M.B.

Four specimens of the Orange-fly (*Ceratitis capitata*) from Malta; presented by General Wilkie.

Thirty-two named Lepidoptera of the tribe *Pyralites,* including *Hypotia colchichalis, Stemmatophora combustalis, Hercyna rupestralis,* and other rare species from various parts of Europe and Asia Minor; purchased.

Thirty-

Thirty-one named European Lepidoptera, including several interesting hybrids, fine specimens of *Callimorpha persona* and *var. italica* and *Rhegmatophila alpina*, its variety *vernalis*, *Psyche wockei* and *P. schiffermülleri* new to the collection; purchased.

(From North America.)

Three hundred and fifty Coleoptera, twenty Hymenoptera, twelve Diptera, and thirty-eight Lepidoptera from British Columbia; collected and presented by the Rev. J. H. Keen.

The type of *Colias eurytheme*, var. *autumnalis*, four *Cecidomyidæ*, nine Dipterous galls, and seven Hymenoptera with galls, from Colorado; presented by T. D. A. Cockerell, Esq.

The type of a Neuropterous insect (*Lepthemis gravida* ♀) from South Texas; presented by the American Entomological Society.

(From the West Indies.)

Six Coleoptera; five Hymenoptera, and the nest of a species of *Bracon;* twenty Lepidoptera, including a variety of *Tortricodes alucitalis*; and nine Diptera from Cinchona, Jamaica; presented by W. Fawcett, Esq.

Two specimens of the singular moth *Palthis æsopialis* from Cinchona; presented by Lady Blake.

A hundred and ten Lepidoptera from Cuba; received in exchange from Sõr. Guillerno Ruiz.

Twelve Coleoptera, eighty Lepidoptera, and six Hymenoptera, from Trinidad; presented by W. E. Broadway, Esq.

Thirty Coleoptera, ten Hymenoptera, fifteen Orthoptera, six Rhynchota, a Dipteron (*Volucella obesa*), and twenty Dipterous larvæ, from Trinidad; presented by the Rev. H. G. Windsor Aubrey.

Twenty-eight Coleoptera, nine Lepidoptera, and three *Libellulidæ*, from Trinidad; presented by H. Caracciolo, Esq.

(From South America.)

Eleven Coleoptera, ninety-three Hymenoptera, a large example of a moth (*Castnia dædalus*), thirty Orthoptera, two Hemiptera, four Neuroptera, and four larvæ of *Myrmeleon*, from Demerara; presented by W. L. Sclater, Esq.

Five butterflies of three species (*Heliconius wallacei*, *Olene mariana*, and *Daptonura pedrosina*), also the type specimens of *Amphidecta reynoldsi*, *Mesosemia bella*, *Lymnas isabellæ*, *Diorhina arthuriana*, *Mesene clarissa*, *Bæotis johannæ*, and *Anatole middletoni*, from the Araguaya River, Tocantins; presented by E. Reynolds, Esq.

Three rare Lepidoptera (*Pythonides cronion* and *Andrenimorpha xanthogastra*) from Petropolis; presented by W. Schaus, Esq.

A Coleopteron, thirty-two Lepidoptera, two Hymenoptera, and nine Neuroptera, from Bahia; presented by D. Wilson Barker, Esq.

(From Africa.)

Eighty Lepidoptera, including specimens of *Periplysia leda*, *Teracolus imperator*, and *Papilio philonoe*, two Hymenoptera, and one Neuropteron from Wasin, East Africa; presented by Lieut. Gordon S. Gunn, R.N.

Thirty Odonata and one butterfly (*Aterica sp.*) from Accra and Pulomai; presented by Mr. A. Doncaster.

Twenty-four Lepidoptera from the Subaki River district, East Africa, including the types of four new species (*Papilio utuba*, *Coladenia maculata*, *Henucha dentata* and *Terina fulva*); presented by Keith Anstruther, Esq.

Eighty Lepidoptera, including specimens of *Tulbaghia meneris*, and a rare moth (*Jana signifera*), from South Africa; presented by the Rev. R. W. Lewis.

Thirty-eight Orthoptera, twenty-six Hymenoptera, twenty-five Hemiptera, and a *Cœnagrion*, from South Africa; presented by H. A. Spencer, Esq.

Nine hundred and fifty-five Lepidoptera, from Lagos, chiefly valuable for completing the Museum series; presented by His Excellency Sir Alfred Moloney, C.M.G.

Eight Lepidoptera, including the probable male of a rare butterfly (*Mimacræa darwinia*), and a species of the long-tailed *Saturniid* genus *Eudæmonia;* three Rhynchota, and a *Mantis*, from Sierra Leone; purchased.

(From Madagascar.)

The male of a butterfly (*Belenois antsianaka*), new to the collection, from Madagascar; presented by the Hon. Walter Rothschild.

Seven social cocoons of a moth (*Hypsoides bipars*), from North-West Madagascar; presented by J. T. Last, Esq.

Forty butterflies, from Betsileo, including specimens of *Salamis anteva*, and other species, badly represented in the Museum series; purchased.

Twelve Formicidæ, twelve Hemiptera, and an Orthopteron of the genus *Perisphæria* from Madagascar and South Africa; collected and presented by G. F. Scott Elliot, Esq.

(From Southern Asia.)

Four pelagic Hemiptera (*Halobates hayanus*) from the Red Sea near Aden; presented by Dr. J. Buchanan White.

A hundred and twenty-two Lepidoptera, including the types of sixty-seven species recently described by the donor, from various parts of India and Burmah; presented by Colonel Charles Swinhoe.

Eighty-one Neuroptera, four Diptera, two Hymenoptera, and

and three Rhynchota from Karo Hill, Simla; presented by Mr. Arthur Doncaster.

Five hundred and seventy Lepidoptera, two Neuroptera, and one Homopteron from Mean Meer, near Lahore, Punjab; presented by Lieut. C. Harford.

Twenty-four specimens of the "Singing Ant" (*Lobopelta diminuta*), from the station hospital at Neemuch, Central India; presented by Sir John Lubbock, Bart.

Two cocoons of a social moth (*Cœnodomus rotundinidus*), and two specimens of *Miltochrista gratiosa* from the Nilghiris; presented by G. F. Hampson, Esq.

A valuable collection of six hundred Rhynchota and a hundred and fifty Diptera, from Ceylon; presented by E. E. Green, Esq.

Fifty-eight Lepidoptera from Sarawak, Borneo, including a pair of *Dundubia imperatoria* and other species required for completing the Museum series; purchased.

A rare butterfly (*Cheritrella truncipennis*) from East Pegu; presented by H. J. Elwes, Esq.

Two butterflies, *Clerome faunula* from Perak, and *Hestia lynceus* from Borneo; presented by G. F. Hampson, Esq.

(From Australia and the Pacific Islands.)

Seventeen rare Lepidoptera, amongst which two specimens of *Parthenos agœsia* may be especially mentioned, from Kaiser Wilhelm's Land, New Guinea; purchased.

Eighty-three Coleoptera, chiefly valuable as having been named by the Rev. T. Blackburn, and thirty Lepidoptera from North Territory, South Australia; presented by Mrs. Bovill.

Sixteen Coleoptera, nine Orthoptera, nine Odonata, and two Hemiptera from various islands of the South Pacific; presented by J. J. Lister, Esq.

One specimen of a butterfly (*Tenaris anableps*) from Alu, Solomon Islands; presented by O. Salvin, Esq., F.R.S., and F. Du Cane Godman, Esq., F.R.S.

Vermes.—The number of additions to this class amounted to two hundred and four; besides the "Challenger" series already mentioned, the following may be noticed:—

Sixty-two Annulate worms, including *Euglycera dibranchiata, Chætopterus pergamentaceus,* and *Phascolosoma gouldi,* from various localities; received in exchange from the United States National Museum.

A collection of very finely preserved examples of the tube-dwelling annelid *Terebella littoralis,* from Llanfairfechan, North Wales; presented by Arnold T. Watson, Esq.

Ten Worms and six Echinoderms from Naples, including *Spirographis spallanzanii, Chætopterus variopedatus,* and *Cirratulus filigerus*; purchased.

Eleven specimens of *Bipalium* from Ceylon; presented by E. E. Green, Esq.

Seven worms from South America; presented by D. Wilson Barker, Esq.

Echinoderms.—To this class two thousand two hundred and forty additions have been made in the year. In addition to the "Challenger" and "Porcupine" collections already mentioned, the following are noteworthy:—

Eighty specimens from the Laboratory of the Marine Biological Association at Plymouth; purchased.

Twenty-nine deep-sea forms from the South-west Coast of Ireland, including *Brisinga*, *Pontaster tenuispinis*, *Ophiobyrsa hystricis* and *Holothuria tremula*; presented by G. C. Bourne, Esq.

A second series of twenty-six deep-sea forms, from the West Coast of Ireland, amongst which were *Phormosoma placenta* and *Spatangus raschi*; presented by the Royal Dublin Society.

A very valuable collection of sixty-four specimens, of considerable historical interest, as forming part of the collection of the late William Thompson, the well-known author of the "Fauna of Ireland"; presented by the Belfast Natural History Society.

Twenty-six Starfishes from Cullercoats; presented by R Howse, Esq.

A series of twenty specimens of *Strongylocentrotus drobachiensis* from Montrose; presented by W. Duncan, Esq.

Two hundred and fifty-two specimens selected from a series formerly in the possession of the late Sir Wyville Thomson, and including a number of interesting northern species, such as *Ophiacantha spectabilis*, *Ophioglypha carnea* and *Echinocucumis typica*, as well as a valuable series of determined North American forms, such as *Actinometra meridionalis*, *Astrogomphus vallatus* and *Echinarachnius excentricus*; presented by John Murray, Esq.

A good series of *Echinus norvegicus* from the North Sea; presented by Professor S Lovén.

Seventy-nine Echinoderms from various localities, including *Amphiura macilenta*, *Odontaster hispidus*, *Diplopteraster multipes*, *Leptasterias compta*, and *Archaster americanus*; received in exchange from the United States National Museum.

Eight Echinoderms from Ceylon, including *Cidaris imperialis*; presented by the Colombo Museum.

Forty-two Echinoderms from Madras, including *Asterodiscus elegans* and *Pseudoboletia maculata*; presented by the Central Government Museum, Madras.

Fourteen Echinoderms from South America; presented by D. Wilson Barker, Esq.

Sponges.—

Sponges.—Five hundred and thirty-nine additions were made to this class; in addition to the "Challenger" specimens and "Carter" collection the following are of importance:—

Thirty-six sponges from Fernando Noronha, including a new species, *Leuconia sacculata*; collected by H. N. Ridley, Esq., and named by H. J. Carter, Esq.; presented by the Royal Society.

Sixty-nine sponges, forming part of the collection obtained by the "Porcupine" and "Lightning" expeditions; transferred by Dr. John Murray with the "Challenger" duplicates.

Anthozoa.—A hundred and ninety specimens were received during the year; in addition to the "Challenger" series, the following may be noted:—

A most remarkable specimen of *Gerardia savalia*, obtained off Eubœa; no specimen equal in size or condition is to be found in any European museum; purchased.

Nine specimens, some of them particularly well preserved, of *Funiculina quadrangularis* and *Virgularia mirabilis*, from the west coast of Scotland; presented by the Hon. A. E. Gathorne Hardy, M.P.

Twenty-six specimens, including *Anthomastus grandiflorus*, *Epizoanthus americanus*, *Sagartia abyssicola* and *Balticina finmarchica*; received in exchange from the United States National Museum.

Two examples of the recently described *Duva rosea*, from Trondhjemsfjord; presented by Prof. Collett.

Four well-preserved specimens of *Alcyonium palmatum*, *Corallium rubrum*, *Pennatula phosphorea*, and *Anemonia sulcata* from Naples; purchased.

The type specimens of *Antillia lonsdalia* and *Conocyathus zealandiæ*; presented by Prof. Martin Duncan, F.R.S.

An example of *Seriatopora gracilis*, from Diego Garcias; presented by Prof. Stewart, F.L.S.

Twenty-one Anthozoa from Madras, including *Cycloseris cyclolites* and *Dendrophyllia ehrenbergiana*; presented by Edgar Thurston, Esq.

Hydrozoa.—Two hundred and fifty-five additions were made to this class; the following may be mentioned:—

Seventeen hydrozoa obtained by the "Porcupine" and "Lightning" expeditions; transferred by Dr. John Murray, with the "Challenger" duplicates.

Ten Hydroida, from the coast of Brazil; presented by D. Wilson Barker, Esq.

Sixty-four Hydrozoa, from Torres Straits; collected and presented by Professor A. C Haddon.

Protozoa.—Two hundred and forty-eight specimens were added to this class, of which two hundred and sixteen consist of microscopic slides of *Radiolaria*, received from the "Challenger" collection; the remaining thirty-two were of no special importance.

VIII.—*Visitors and Students.*

The number of visits from persons who have consulted portions of the collection, or who have required attendance or assistance, was nine thousand and thirty-four, as compared with :—

8,360	in the year	1889
8,797	,,	1888
8,955	,,	1887
8,372	,,	1886
8,313	,,	1885
6,818	,,	1884
5,229	,,	1883
9,628	,,	1882
7,407	,,	1881

Albert Günther.

Department of Geology.

I.—*Arrangement.*

A.—Vertebrata.

Fossil Mammalia (Galleries 1 and 2).—Pier-case 6. This case, which contains the remains of *Rhinoceros antiquitatis, Rhinoceros megarhinus,* and *R. leptorhinus,* has been re-arranged, and the numerous limb-bones and other portions of skeletons have all been mounted upon stands, and labelled.

An extremely perfect skull of *Oreodon Culbertsoni,* Leidy, from the Miocene of Dakota, United States of North America; presented by Dr. J. Leidy; has been mounted upon a stand, and placed in Table-case No. 7.

A skull of the living *Bison americanus,* from the Prairies of North America (obtained by exchange from the Smithsonian Institute), has been mounted and placed in Pier-case 16, for comparison with the fossil crania of *Bison priscus.*

On the pier, between Pier-cases 12 and 13, is placed the left antler (the right is a restoration) of *Alces machlis,* Ogilby; from the Pleistocene of Cleveland, Yorkshire.

The skulls of British oxen, in Pier-case 19, have been, in part, re-arranged to make room for additional specimens; and the fine skull of *Bubalus buffelus,* var. *palæindicus,* Falconer, from the Pleistocene, Narbada valley, India, has been fixed, by iron-supports, to the back of the case in such a position that

that its magnificent horn-cores, more than six feet in expanse, and the facial portion of the skull, can be seen to advantage.

The cast of a newly-discovered cranium of *Thylacoleo*, sp. (the original of which is preserved in the Australian Museum, Sydney, N. S. Wales), has been mounted on a stand, and added to Table-case No. 14.

A series of drawings of Cretaceous Mammalia from North America, have been prepared and mounted on Tablets and placed in Table-case No. 14A in the Pavilion.

Diagram of the skeletons of *Phenacodus* and *Equus* have been added to Pier-case 9, and of the "Manatee" (after Murie), to Pier-case 21.

Twenty-seven photographs of recent Mammalia, or their skeletons, have been framed and mounted and fixed upon the walls near the cases containing the fossil remains of the same genera.

A geological Map of Malta and Gozo has been framed and mounted, and placed on the wall near the Cases 21 and 21A, containing the remains of the "Pigmy Elephant," from Malta, to illustrate the locality of the fissure-caves whence these interesting fossils have been derived.

Mammalia registered one hundred and ninety-three.

Aves (Gallery 2.)—Two additional and almost complete skeletons of the "Moa" (*Dinornis gravis*, and *D. didiiformis*), from the Newer Tertiary deposits, South Island, New Zealand, have been articulated and mounted on stands and exhibited in Glass-case R R, in the S. E. Pavilion.

Three photographs of Struthious Birds have been framed and mounted on the wall near the cases containing the bones of *Dinornis*.

Aves registered one hundred and fifty-eight.

Reptilia (Galleries 3, 4, 5.)—Twelve table-cases and two wall-cases in these galleries have been re-arranged in accordance with the recently-published Catalogues of the Fossil Reptilia.

Reptilia registered one hundred and seventy-one,

Pisces (Gallery 6).—Three wall-cases of Palæozoic Ganoids have been entirely re-arranged in accordance with the Catalogue of Fossil Fishes, now in preparation, all the specimens being mounted on separate stands and labelled.

Pisces registered three hundred and fifty.

Ichnites.—Fossil foot-prints (Gallery 11.)—Several additional slabs of foot-prints of Reptilia, &c. have been framed and added to this collection, and the old labels have been replaced by new printed ones.

Considerable progress has been made in printing new labels for the Mammalia, Reptilia, and Pisces; and numerous recent acquisitions have been tableted and mounted and incorporated with the exhibited series to which they belong.

The Leeds Collection of Fossil Reptilia (a part of which was acquired by purchase during the past year) was removed from Eyebury, near Peterborough, and has since been unpacked and temporarily displayed in a series of table and wall-cases in the Eastern Basement.

The Store-casts and moulds of fossils (chiefly of Vertebrata), which, during the past five years, have increased from 236 to 462 in number, have all been re-arranged and carefully labelled, in accordance with the new Catalogue, in the "Casts and Mould Store-rooms," in the North-east Basement.

Mollusca.—Cephalopoda (Gallery No. 7).

(*a*) *Nautiloidea.*—The largest specimen of *Nautilus ornatus*, F. and C., yet obtained, from the Inferior Oolite, Sherborne, Dorset, has been mounted on a stand and placed between Wall-cases 13 and 14.

A beautiful preparation of the animal of the recent *Nautilus pompilius*, preserved in a section of its shell, has been mounted in a glass cell, in spirit, and exhibited between Wall-cases Nos. 1 and 2, for comparison with the fossil forms.

Seventy-five specimens of *Gomphoceras*, 12 of *Tetramoceras*, three of *Hexameroceras*; 12 of *Ascoceras*, one of *Glossoceras*; and 20 of *Poterioceras*, have been mounted on tablets and arranged on the slope of Wall-case No. 7. The unmounted specimens of these genera of Palæozoic Nautiloidea have been arranged in drawers beneath Table-case No. 71.

(*b*.) *Ammonoidea.*—Twenty-seven Ammonites, illustrating variation in form and ornamentation of their shells, have been mounted on tablets and arranged in Table-case No. 57.

Twenty-three *Aptychi* (opercula of *Ammonites*), from the Chalk, have been mounted on tablets and placed in Table-case No. 64.

435 Ammonites from the Chalk have been mounted upon tablets, named and arranged on the slope of Wall-case No. 4 and in Table-case No. 64.

420 Ammonites, from the Greensand of Cambridge, and from the Upper Greensand, Warminster, &c., have been mounted and named and arranged in Table-case No. 65, and upon the slope in Wall-case No. 5.

386 Ammonities from the Gault have been named and mounted on tablets and arranged partly in Table-cases No. 65 and 66, and partly in Wall-case No. 5.

Eighteen Ammonites, of Neocomian age, have been named, mounted upon tablets, and arranged in Wall-case No. 5.

Ninety-six Ammonites from the Inferior Oolite (eleven of which are mounted on blocks, and 85 upon tablets), have been named and arranged in Wall-case No. 10.

The number of Cephalopoda registered during the past year was 481.

(*c*.) *Pteropoda*—478 *Pteropoda* have been mounted upon tablets named and arranged in Table-case No. 72., including several

several recent forms, introduced for comparison with the fossil ones. To these have been added some enlarged figures of the animal and its shell.

The unmounted specimens are arranged in sixteen drawers beneath the table-case.

Mollusca.—(*d.*) *Gasteropoda and Lamellibranchiata.*
(Gallery No. 8.)

Two hundred and eleven Mollusca from the Gault of Folkestone, have been named, mounted on tablets, and arranged in Table-case No. 98. Eight hundred and twenty-seven Inferior Oolite Gasteropoda have been named.

All the drawers containing Silurian Mollusca have been critically examined, and 1,445 specimens named; each species being placed in a separate tray, labelled and arranged in drawers beneath the Table-case (89).

A fine series of British Post-Pliocene Land and Fresh-water Mollusca from special localities, have been carefully named and mounted in glass-topped boxes, and arranged in a new table-case in the centre of Gallery No. 8.

They comprise	2,672	Gasteropoda, and
	486	Lamellibranchiata.
Total	3,158	specimens.

A considerable number of the above specimens have had their written labels replaced by neatly printed labels, and the more minute shells have enlarged drawings placed beside them.

The Eocene Gasteropoda, from the Paris Basin, are at present under arrangement. 4,272 specimens have been named, mounted and arranged in Wall-case No. 4. The labels for the larger specimens on stands and for those in boxes are being printed. 81 large specimens of Tertiary Mollusca have been mounted on painted stands for Wall-cases 3 and 4.

The Mollusca registered during the past year number—Gasteropoda 4,026, and Lamellibranchiata, 1,625.

Molluscoida.—(*Brachiopoda* and *Polyzoa*).

The Foreign Brachiopoda are under arrangement. 263 Silurian specimens have been named, labelled, and arranged; about 7,000 specimens have been examined and assorted, and 980 have been registered. They will shortly be placed in Wall-cases 10 and 11, now being fitted up for their reception.

The British Post-Pliocene and Pliocene Polyzoa are at present under arrangement: about 45 specimens have been mounted and named; enlarged drawings (after Busk and others) of their microscopic structure have been added to the

series exhibited, so as to render them more instructive to the student. They are placed in Table-case No. 84. The Molluscoida registered amount to 1,978 specimens.

The British Palæozoic and Mesozoic Annelida have been named, mounted, and arranged in Table-case No 79. The series numbers 352 specimens mounted upon 169 tablets. The number of Annelida registered has been 165.

Foreign Echinoids.—The arrangement of the collection in Wall-cases 15, 16, and 17,has been completed. During the year 632 specimens have been named, tableted, and arranged; the larger objects being mounted on blocks with printed labels affixed to each specimen.

Crinoidea (Table-case No. 73)—An introductory series to illustrate the structure and mode of growth, etc., of the *Crinoidea*, consisting of 72 specimens, illustrated by numerous drawings, mounted upon tablets, and accompanied by printed explanatory notes and descriptions, has been arranged in Table-case 73. Echinodermata registered 1,594 specimens.

Crustacea (Wall-cases 14A and 14B).—Thirty-one Palæozoic Crustacea, mounted on stands, and four diagrams have been added to these cases.

Upwards of 600 Cirripedia have been cleaned, tableted afresh, and named, and are temporarily exhibited in a small Table-case in the centre of this Gallery (8).

The Crustacea and Insecta registered amount to 1,708 specimens.

A fine slab of "Petworth Marble," polished on both sides full of the shells of *Vivipara* (*Paludina*) *fluviorum*, has been glazed and mounted in the central avenue of this Gallery.

A large mass of "Bognor rock" (Lower Eocene), chiefly made up of the shells or casts of *Cardita Brongniarti, Pectunculus brevirostris, Modiola elegans, Voluta dendata, Pyrula Smithii*, etc., etc., has been similarly framed and glazed, and mounted in the centre of Gallery 8.

One half of the wall-cases in this Gallery have been refitted with an improved slope and steps for the better exhibition of the tableted and mounted specimens; the other half will, as speedily as possible, be re-fitted in a similar manner.

Fossil Corals.—(Gallery 10.) A large slab of Limestone, of Silurian age, from Wisby in the Island of Gotland, almost wholly composed of Corals (showing the natural surface on one side, and polished on the other side), has been mounted and glazed, and fixed on a stand between Wall-cases Nos. 5 and 6, on the West side of this Gallery.

Actinozoa

Actinozoa registered during the past year 838.
Protozoa and Rhizopoda registered in the year 3,491.

Fossil Plants.—A silicified tree-trunk from the Purbeck beds of the Isle of Portland, has been mounted on a pedestal, and fixed against the wall on the East side, between Wall-cases 12 and 13.

A fine stem of *Mantellia nidiformis*, also from the Purbeck dirt-bed, Portland, has been mounted on a stand in the centre of this Gallery.

A new mahogany base has been made for the large Coniferous tree-trunk in the centre of the Gallery.

Fossil Plant remains registered 210 specimens.

Gallery No. 11. The MS. labels in the exhibited series of the Searles V. Wood Crag Mollusca (1,038 in number) have been carefully revised and replaced by printed labels, giving the genus, species, formation, and locality, also a reference to the place where figured and described.

The arrangement of the Sowerby Collection has been completed; all the specimens of Cephalopoda are placed in Wall-case 6; the large specimens to the number of 130 have been mounted on blocks with a printed label attached to each.

The "type specimens," illustrative of Damon's "Guide to the Geology of Weymouth and the Isle of Portland," chiefly belonging to the *Invertebrata*, have all been registered, named, and mounted, and incorporated with the general Museum series.

Stratigraphical Collection (Gallery 11.)—A large series of British fossils has been selected to form a typical stratigraphical collection for this Gallery; 1,290 of these are named and labelled, and a nearly equal number remain to be named and added to the series.

Tracks and Markings of Invertebrata, Wall-case 7.

Numerous additions have been made to this series of specimens.

Specimens registered 72.

Department Library.—(Gallery No. 9.)

The work of stamping and cataloguing the various additions to the Library has been carried on as usual, during the past year. The slips for a general Catalogue have also beenprepared.

79 old slip-titles have been revised.

3,061 new slip-titles have been written.

1,938 books and 1,685 maps have been catalogued, and

66 boxes of pamphlets have been arranged and indexed.

102 volumes have been bound.

In 1890, the additions to the Library have been as follows :—

By Donation :—

Books	-	14	
Continuations of Works	-	23	(Volumes).
Parts of Works	-	50	(Parts).
Pamphlets	-	52	
Maps	-	3	
			142

By Purchase :—

Books	-	35	
Continuations of Works	-	29	(Volumes).
Parts of Works	-	25	(Parts).
Pamphlets	-	7	
Maps	-	29	
			125
Total	-		267

Preparation of Catalogues.

Part IV. of Mr. R. Lydekker's Catalogue of the Fossil Reptilia and Amphibia, (containing the orders Anomodontia, the Ecaudata, the Caudata and Labyrinthodontia; and a supplement), pp. xxiv. and 296, with 66 woodcuts, appeard in May last.

Mr. Lydekker has since been engaged upon a Monograph Catalogue of the Fossil Bird-remains in the Museum Collection.

Part II. of Mr. A. Smith Woodward's Catalogue of the Fossil Fishes, illustrated with 16 plates and 54 woodcuts, is all in type, and will be ready for publication early in 1891.

Part II. of Mr. Arthur H. Foord's Catalogue of the Fossil Cephalopoda, containing the *Nautilidæ*, is also all in type, and will be ready for publication early in February.

The list of genera and species of Eocene Mollusca in the Edward's Collection (including the other "types," preserved in the Wetherell, Dixon, and Bowerbank collections in the Geological Department) is nearly complete, and will, it is hoped, be ready for publicatiou shortly.

A classified list of casts of fossils reproduced from specimens in the Department of Geology, was prepared and printed by order of the Trustees in 1885. The list then numbered 236 specimens.

A new and greatly augmented edition has just been prepared

pared and printed by the Trustees, from which it appears that the number of moulds of fossils from which casts can now be supplied amounts to 462. (The list extends to 36 pages, and was issued in December last.)

Work of the Mason-Formatore and Assistant Mason.

During the past year two skeletons of " Moa," one of which was obtained by exchange, from Sir Julius von Haast, F.R.S., and the other by purchase (namely, *Dinornis gravis* and *D. didüformis*), have been restored, and entirely remounted and prepared for exhibition.

An imperfect cranium and mandible of the great sabre-toothed tiger (*Machœrodus neogeus*, Lund) from South America, has been restored and completed by the assistance of other specimens from France and India, preserved in the collection. This coloured cast now forms a striking and most instructive object in the pier-case devoted to carnivora, to which has also been added a fine skull of the African lion.

The cranium and horn-cores of *Bubalus palœindicus*, which were in an unsatisfactory state, have been repaired and re-united and mounted on new iron-work supports in Pier-case 19, S.E. Gallery.

A specimen of *Plesiosaurus dolichodeirus*, obtained by purchase, has had its paddles united to the trunk, and the whole developed and mounted in a frame, and placed temporarily in Wall-case 8, Gallery No. 11.

A carapace of *Glyptodon clavipes*, has been put together from parts belonging to one and the same animal. It was obtained by Mr. White, in the Argentine Republic, and purchased of Mr. Gerrard.

About 30 moulds and 80 casts of fossils have been made during the past year.

A large and very remarkable cranium of *Dicynodon*, obtained by Professor Seeley, from South Africa, has been most successfully worked out from the hard matrix, displaying the structure of the cranium on all sides.

A head and vertebral column of *Pariasaurus*, from the Dicynodont beds (Trias), Cape Colony, and also an almost complete skeleton of the same genus, obtained by Professor H. G. Seeley, F.R.S. (assisted by a grant from the Royal Society), have been most carefully and skilfully worked out from the very intractable matrix, displaying the details of the anatomy in a most admirable manner.

Numerous sections of rocks, fossil corals, and shells have been prepared, mounted and polished; also many cut and polished sections of Nautili and Ammonites.

Many fossil fish and reptilian remains have been developed and mended.

A large number of fossil corals, and plant-remains have been mounted and prepared for exhibition.

A slab of coral limestone from Gotland; a mass of Bognor

rock (full of Eocene shells); a fine slab of Petworth marble; a large Cycadean stem; and a silicified trunk of a coniferous tree from Portland, have been prepared and mounted for exhibition in the N. E. Galleries.

Coloured casts of various fossils have been prepared for the exhibition series, and also for exchanges with Professor Zittel, of Munich; M. Dollo, of Brussels, and Professor O. C. Marsh, of Yale College, Newhaven.

Printing Labels:

Great progress has been made in substituting printed for written labels throughout the cases in the exhibition galleries.

During the past year 2,933 labels have been composed, and 27,820 copies printed off.

Acquisitions. 1. *By Donation.*—A. VERTEBRATA.

1. *Mammalia.*—A very perfect skull of *Oreodon Culbertsoni*, Leidy, from the Miocene, White River, Dacota, U.S.A. presented by Dr. Joseph Leidy, For. Memb. Geol. Soc. Lond.

Cast of the skull of *Urmiatherium polaki, Rödler.* Older Pliocene, Maragha, Persia; presented by R. Lydekker, Esq., B.A., F.G.S.

A series of fragmentary bones of *Elephas, Equus, Bos primigenius, Bos longifrons,* and *Cervus tarandus,* from the gravel of Mitcham, Surrey; presented by the Directors of the London, Brighton, and South Coast Railway.

Twenty-three skulls and limb-bones, &c. of Wild-Cat, Wolf, Beaver, Wild-Boar, Red-Deer, Roebuck, Reindeer, Horse, &c.; from the Pleistocene Peat Deposit of Walthamstow, Essex; presented by J. E. Greenhill, Esq.

About 30 bones of *Elephas primigenius, Equus caballus, Hippopotamus amphibius, Bison priscus, Cervus elaphus,* from the Pleistocene of Thame, Oxfordshire (noticed by G. E. Roberts, F.G.S., Brit. Assoc. Reports, Sect. p. 87, 1863), presented by Mrs. Leifchild.

Plaster-cast of upper molar of *Ailurus anglicus,* from the Red Crag, Suffolk; presented by E. T. Newton, Esq., F.G.S.

An imperfect cranium and part of the antlers of *Cervus giganteus,* also part of a larger antler, from Ireland; presented by Mrs. Geoghegan.

Twenty-six bones and teeth of *Rhinoceros Sumatrensis,* &c., from Auriferous drift in crevices of limestone rock, Sarawak, Borneo; presented by A. Everett, Esq.

Portion of jaw of Ruminant, from the Newer Tertiary deposit, Bains' Kloof, Cape Colony; presented by Miss Frere.

Plaster cast of mandibular ramus of *Lutra dubia,* Blainv. from the Miocene of Sansan, Gers. France, the type specim (Osteographie, genus *Mustela,* plate xiv.) Also two plaster-casts of the lower sectorial molar of *Lutra Reevei* (Newton) being the type figured and described in Quart. Jour. Geo. Soc. vol. xlvi

vol. xlvi. (1890). p. 446, pl. xviii. fig.2; presented by E. T. Newton, Esq., F.G.S.

Bone-breccia from a cave, in the district of Potchefstroom, Transvaal, South Africa; presented by David Draper, Esq.

Four teeth and portions of bone of *Toxodon*, from the Rio Pilcomayo, Argentine Republic; presented by Alfred Busk, Esq.

Two portions of molars of *Elephas*, from the Phosphate beds of South Carolina; presented by John Biddulph Martin, Esq.

2. *Aves.*—Right proximal end of tarso-metatarsal of a small bird from the London Clay, Sheppey; presented by W. H. Shrubsole, Esq., F.G.S.

A considerable portion of the skeleton of *Dinornis struthioides*, from the South Island, New Zealand; presented by N. Chevalier, Esq.

A Plaster-cast of the humerus of *Pelagornis miocænus* (Lartet), from the Miocene of France; presented by Prof. Alphonse Milne-Edwards, Member Inst. France.

3. *Reptilia.*—One Reptilian bone from the Rhætic, Westbury-on-Severn; presented by Dr. H. D. Hoskold.

Twelve vertebræ and ungual phalanx of *Iguanodon*, from the Wealden, Sussex; presented by Mrs. Leifchild.

Part of sternum, one vertebra and two paddle bones of *Plesiosaurus*, from the Kimmeridge clay, Swindon, Wilts; presented by the Chairman and Directors of the Swindon Brick and Tile Company.

4. *Pisces.*—Twelve teeth of fishes, *Carcharodon, Oxyrhina, Notodanus, Hemipristis, Physodon. Sphyræna*, and *Tetrodon*, from the Miocene of Cagliari, Sardinia; presented by Prof. D. Lovisato.

A tooth of *Otodus obliquus*, Ag. from the Brickearth, Crayford, Kent; presented by Flaxman C. J., Spurrell, Esq., F.G.S.

Eleven specimens of *Palæaspis*, spec. from the Bloomfield Sandstone, Upper Llandovery; three specimens of fragmentary Pteraspidian shields, from the Clinton group, and two specimens of ferruginous sandstone with coprolitic material, all from Perry County, Pennsylvania; presented by Prof. E. W. Claypole, D.Sc.

Two groups of teeth of *Ptychodus*, from the Chalk, two specimens of *Dapedius*, Lower Lias, Lyme Regis, and three teeth of *Helodus*, from the Lower Limestone Shales, Avon Gorge, Bristol; presented by Mrs. Liefchild.

A cast of tooth of *Squalodon quarternarium* (Forsyth Major), Cavern Finale, Liguria; presented by the Marquis G. Doria.

Twenty-three Fish-teeth, from the Post-Tertiary and Tertiary beds of Barbados; presented by A. J. Jukes-Browne, Esq. F.G.S.

One Teleostean fish, and twelve Selachian teeth, from the Miocene of Malta; presented by J. Murray, Esq., LL.D., F.R.S.E.

One spine of *Machæracanthus*, and one spine of *Onchus*, from the Devonian, Gaspé, Canada; presented by Sir J. W. Dawson, LL.D., F.R.S., &c.

One specimen of *Cœlacanthus*, from the Lower Carboniferous, Instow, North Devon (noticed in Geol. Mag. Dec. 2 vol. iii., p. 410); presented by W. Porter, Esq.

Seven Shark's teeth (*Carcharodon*, *Oxyrhina* and *Odontaspis*), from the Miocene Tertiary beds of Malta; presented by Lady Smyth.

Ten Selachian teeth from the Upper Chalk, Faxoe, Denmark; presented by Miss Caroline Birley.

B.—Invertebrata.

(*a.*) *Mollusca.*—A speciman of *Gryphæa dilatata*, Sby., from the Oxford Clay, Ravensden, near Bedford; presented by Major Rogers.

Five specimens of Lias *Ammonites*, from Lincolnshire and Yorkshire (being "type-specimens," figured and described by Dr. Wright, in Pal. Soc. Mon. vols. 1878–86); presented by the Rev. J. E. Cross, F.G.S.

Two shells from the Pleistocene Peat, deposit of Walthamstow, Essex; presented by J. E. Greenhill, Esq.

A series of Carboniferous Mollusca, from Kilkenny; presented by Mrs. Leifchild.

Two specimens of *Cardita planicosta*, Middle Eocene, Hants; presented by T. B. Whitehead, Esq.

A series of Mollusca, from the London Clay of Farlham; presented by J. W. Elwes, Esq.

Seventy-one Mollusca, from the Post-Pliocene Deposits of Staines; presented by J. Allen Brown, Esq.; F.G.S.

Three Gasteropod shells from the Post Pliocene Deposits of Erith; presented by R. Nuttall, jun., Esq.

Three Gasteropod shells from the Cretaceous of Muddy Creek, Huerfans County, Colorado; presented by T. D. A. Cockerell, Esq.

Eighty-eight Gasteropoda and thirty-eight Lamellibranchiata, from the Post Tertiary and Tertiary Deposits of Barbados; presented by A. J. Jukes-Browne, Esq., F.G.S.

One *Nautilus*, nine Gasteropoda, and one hundred and thirty Lamellibranchiata, from the Miocene of Malta; presented by John Murray, Esq., LL.D., F.R.S.E.

Ninety-eight Gasteropoda, and forty-two Lamellibranchiata, from the Post Pliocene Deposits of Cayford, Grays, Crossness, and the Albert Docks; presented by F. C. J. Spurrell, Esq., F.G.S.

Fifty-four Gasteropoda, and eight Lamellibranchiata, from the Post-Pliocene Deposit of the Blackfriar's-road; presented by C. J. A. Meyer, Esq., F.G.S.

Thirty-three Gasteropoda, and six Lamellibranchiata, from the

the Post-Pliocene Deposit of Moorfields; presented by Thomas Warburten, Esq., F.G.S.

Thirty-five Gasteropoda, and fifteen Lamellibranchiata, from the Post-Pliocene Deposit of Fulham; presented by F. Chapman, Esq.

Ninety-four Gasteropoda, and nine Lamellibranchiata, from the Post-Pliocene Deposits of the Lea-Valley; presented by J. E. Greenhill, Esq.

One hundred and forty-six Gasteropoda, and forty-six Lamellibranchiata, from the Post-Pliocene Deposits of Crayford, Erith, Ilford, &c.; presented by B. B. Woodward, Esq., F.G.S.

A specimen of Ammonites, probably new, from the Inferior Oolite of Dundry, near Bristol; presented by Edward Wilson, Esq., F.G.S.

Twenty-five specimens of *Cardium edule*, Linn, in a peaty deposit, Crowland Abbey; presented by Major G. P. Moore.

Twenty-five Lamellibranchiata, Post-Pliocene Age, from a raised beach, near Sneaasden Lake, Drontheim, Norway; presented by Captain J. L. Bostad.

Six specimens of *Nerinæa*, from the Oolite of Brora, Sutherlandshire; presented by Colonel Frere, R.E.

Three specimens of *Cardium Rhæticum*, and two of *Avicula contorta*, from the Rhætic shales, Milton-lane, near Wells; presented by H. L. Hogan, Esq.

Five Tertiary Unios; twenty-three *Inocerami*, and seventeen Cephalopoda, from the Cretaceous, Montana, North America; presented by E. S. Cameron, Esq.

Ten Lamellibranchiata, fifteen Gasteropoda, and two Cephalopoda (McCormick Collection); presented by his Executor, J. Allen Brown, Esq., F.G.S.

A series ef Molluscan remains from the Middle Glacial series of the Clyde Valley; presented by David Robertson, Esq., F.L.S., F.G.S.

(*b.*) *Molluscoida.*—A series of Polyzoa, from the London Clay of Farlham; presented by J. W. Elwes, Esq.

Two Polyzoa from the Post-Pliocene Deposits of Crayford,; presented by F. C. J. Spurrell, Esq,, F.G.S.

One hundred and ten specimens of Brachiopoda (McCormick Collection); presented by J. A. Brown, Esq., F.G.S.

One *Lingulina carinata*, from the Red Chalk, Hunstanton, (Figd. Journ. Royl. Microscopl. Soc. 1890, pl. x. fig. 3); presented by Prof. J. W. Judd, F.R.S., F.G.S.

(*c.*) *Insecta* and *Crustacea.*—A series of Crustacean remains from the Argentine Republic; presented by Dr. H. D. Hoskold.

Five specimens of Ostracoda, from the Post-Pliocene Deposits of Crayford, Grays, &c.; presented by F. C. J. Spurrell, Esq., F.G.S.

Nine Ostracoda and Insecta, from the Post-Pliocene Deposits of Erith, &c.; presented by B. B. Woodward, Esq., F.G.S.

Specimens of *Estheria minuta*, from the Keuper, Alderley Stone Quarry; presented by C. E. de Rance, Esq., F.G.S.

Four *Phillipsia* sp. from the Carboniferous Limestone, Holwell, near Frome, Somerset; presented by H. L. Hogan, Esq.

(*d.*) *Annelida.*—Two Annelids, from a raised beach, near Sneaasden Lake, Drontheim, Norway; presented by Captain J. L. Bostad.

(*e.*) *Echinodermata.*—A Stem-ossicle of *Austinocrinus*, Red Chalk, Hunstanton; presented by B. B. Woodward, Esq., F.G.S.

One specimen of *Galerites abbreviatus*, from the Chalk, North Germany, three *Cidaris curioni*, and one *Cidaris cornaliæ*, from the Rhætic of Hindelang; presented by Dr. C. Gottsche, of the Hamburg Museum.

One specimen of Echinoid and one *Hemiaster plebœus*, from the Cretaceous formation of Bohemia; presented by Dr. Anton Fritsch, Director of the Royal Museum, Prague.

Four Echinodermata from the Tertiary beds of Barbadoes; presented by A. J. Jukes-Browne, Esq., F.G.S.

Twenty-six Echinodermata (Clypeaster, &c.), from the Miocene of Malta; presented by John Murray, Esq., LL.D., F.R.S.E.

"Screw-stones" (Stems of Crinoids) from the Carboniferous Limestone, Simonstone, Hawes, Yorkshire; presented by the Earl of Wharncliffe.

Twenty-three specimens of *Pentremites*, from the Devonian formation, Bowling Green, Kentucky, U. S. N. A.; presented by Hugh Kimbley, Esq.

Four Carboniferous Crinoids from Burlington, Iowa, and fourteen Silurian *Crinoidea* and *Blastoidea*, from St. Pauls and Salem, Indiana; presented by F. A. Bather, Esq., M.A., F.G.S.

Plates of *Ophiocoma bellis*, Echinus-spines, and plates of *Strongylocentrotus*, from the Glacial series, Greenock, Loch Gilp and Cumbræ; presented by David Robertson, Esq., F.L.S., F.G.S.

Two masses of *Cœlopleurus Wetherelli*, from the London Clay, Hampstead. Six specimens of *Brissopsis Branderianus*, from the London Clay of Pinner; presented by R. Gordon, Esq.

(*f.*) *Zoophyta.*—Eight Neocomian Corals from Santander, North of Spain, also a series of Graptolites from the Argentine Republic; presented by Dr. H. D. Hoskold.

Fifty-seven specimens of Coral from the Tertiary and Post-tertiary Beds of Barbados; presented by A. J. Jukes-Browne, Esq., F.G.S.

Seven slabs containing Graptolites from the Lower Llandovery Rocks of Morben, Machynlleth, North Wales; presented by T. H. Kemp, Esq.

One specimen of *Diplograptus pauperatus*, from the Lower Silurian,

Silurian, Hartfell Spa, North Wales; presented by W. J. Harrison, junior, Esq.

Two Corals from the Miocene of Malta; presented by J. Murray, Esq., LLD., F.R.S.E.

A specimen of *Michelinia*, from the Carboniferous limestone, Swallow Cliff, also four Corals from Sandbay, near Kewstoke; presented by S. G. Perceval, Esq.

A specimen of *Thecosmilia Martini*, Lower Lias, Down, Hatherley, Gloucestershire; presented by the Rev. P. B. Brodie, M.A., F.G.S.

One *Favosites*, from the Niagara Limestone, of Michigan; presented by J. E. Mason, Esq.

Thirty specimens of Coral (M'Cormick Collection); presented by J. Allen Brown, Esq., F.G.S.

Nineteen specimens and eight sections of *Syringosphæria*, from the Trias, Kara-Koram Range, Kashmir; presented by Dr. William King, B.A., F.G.S., Director of the Geological Survey of India.

Three Corals from the Tertiary of Barbados; presented by H. E. Franks, Esq.

(*g.*) *Protozoa.*—Thirty-five specimens of Sponges (*Protospongia, Cyathospongia, Acanthodictya*, &c.), from the Siluro-Cambrian, Little Metis, on the Lower St. Lawrence (figured and described, Trans. Roy. So. Canada, 1889, vol. vii. pl. iii., pp. 31–35); presented by Sir J. W. Dawson, K.C.M.G., LLD., F.R.S..

Two sections of sponge from the Chalk (figured and described by Dr. S. P. Woodward, F.G.S. In Geol, Mag., vol. i. 1864, pl. vii. fig. 5, pp. 145–149); presented by H. B. Woodward, Esq., F.G.S.

Six *Foraminifera*, from the Red-chalk of Hunstanton (including three figured in Jour. Roy. Microscopical Soc., 1890, pl. i, fig. 11, 14, 15); also 18 microscopic slides of Foraminifera from Cannon-street Railway Bridge; presented by C. D. Sherborn, Esq., F.G.S.

A slide containing *Foraminifera*, from the Red-chalk, Flamboro' Head (figured in Jour. Roy. Micro. Soc., 1890. pl. i, fig. 1, and pl. iv. fig. 2); presented by Dr. H. B. Brady, F.R.S., F.G.S.

Seven slides of *Foraminifera*, and one of *Entomostraca*, from the Red-chalk of Hunstanton; presented by G. R. Vine, Esq.

C.—Plantæ.

A series of plant-remains from various localities in the Argentine Republic; presented by Dr. H. D. Hoskold.

A slab composed of impressions of leaves of *Glossopteris*, from Coal Measures of Mill River Drift, Harrismith, Orange Free State, South Africa; presented by David Draper, Esq.

A series of plants from the Coal Measures of the British Area; presented by Mrs. Leifchild.

Twenty-five plant-remains (*Pecopteris, &c. &c.*) from the Triassic beds, Fairview, near Cuphergat, Cape Colony; pre-

sented by the Government Grants Fund Committee, Royal Society; per Prof. H. G. Seeley, F.R.S.

Impressions of Leaf-scars of some Lepidodendroid tree-stem, Coal Measures; and Leaf of *Glossopteris* from the White Shale Triassic), Kimberley Mine, South Africa; presented by G. J. Lee, Esq.

Six plant-remains, from the Tertiary of Borneo; presented by A. Everett, Esq.

Eleven specimens of *Dictyophyton Halli*, from the Chemung Group, Wellsville, New York; presented by E. B. Hall, Esq.

A fossil Fruit, from the Upper Keuper of Rowington, near Warwick; presented by Rev. P. B. Brodie, M.A., F.G.S.

Three specimens of Fossil Wood from the New Red Sandstone, Allesley, Coventry; presented by the Council of the Warwickshire Natural History Society.

A series of 81 specimens of Fossil Wood and Plants (M'Cormick Collection); presented by J. Allen Brown, Esq., F.G.S.

2.—By Purchase.

The "Type Collection" of the late Robert Damon, F.G.S., intended to illustrate his "Geology of Weymouth and the Isle of Portland" (1860, 1864, 1884, and Supplements, 1880 and 1888), with 20 plates and 59 woodcuts of Fossils; comprising about 200 figured specimens and 189 others.

A.—Vertebrata.

(1). *Mammalia.*—A series of Pleistocene Mammalian-remains from a fissure on Portland, comprising, Man, Wolf, Wild-boar, Bison, Cervus, &c.; also a molar of *Elephas primigenius*, from Radipole (many of these are noticed in "Damon's Geology of Weymouth and the Isle of Portland)."

A second moiety of a collection of Fossil-mammalia from the Older-Pliocene formation, of the Island of Samos; comprising the genera *Ægoceros Helicoceros, Damalis, Strepsiceros, Gazella, Ancylotherium, Lycœna, Hyœnichthys, Machœrodus*, and many others, collected, worked out, and named by Dr. C. Forsyth Major.

A coloured cast of *Hyracotherium venticolum* (Cope), from the Eocene, Wind River, Wyoming Territory, U.S.A.

Two upper molars, and a perfect jaw of a *Rhinoceros Aurelianensis*, Older Pliocene, France. Part of skull and molar of *Elephas meridionalis*, Forest-bed, Norfolk; also skull and lower jaw of *Hippopotamus*.

A Tibia of *Elephas*, from the Pleistocene beds, Ilford.

A series of Mammalian remains, comprising *Dacrytherium, Anchilopus, Pterodon, Dichobune*, &c., from the Oligocene Bach (Lot.)

2. *Reptilia*—A series of Reptilian remains from the Lias of Mickleton Tunnel.

Cast of the foot of *Iguanodon bernissartensis* (the original from the Wealden of Bernissart, Belgium).

A large

A large Chelonian (*Pleurosternum*), from the Purbeck beds of Swanage, remains of *Pelobatochelys Blakei*, Seeley, from the Kimmeridge Clay, Weymouth (described and figured in Quart. Journ. Geol. Soc., 1875, p. 234); also eight Reptilian bones from various formations in the neighbourhood of Weymouth.

A *Plesiosaurus*, with two paddles, Lias, Lyme Regis, and a specimen of *Pleurosternum Becklesii*, Purbeck, Swanage.

Twenty-one remains of Reptilia from the Trias, &c. of Saarbrucken, Rhenish-Prussia, part of the "Goldenberg Collection," (*see* his "Fauna Saræpontana Fossilis)."

Two Chelonian bones from the Purbeck-beds of Swanage, Dorset.

One thousand five hundred and fifty-seven specimens of Fossil Reptilia from the Oxford Clay of Fletton, near Peterborough, including examples of *Plesiosaurus, Pliosaurus, Ichthyosaurus*, and *Crocodilia*, forming a part of the "Leeds Collection."

3. *Pisces.*—A series of fish remains from the Lias of Mickleton Tunnel.

A Mandible of *Mesodon Damoni*, A. S. Woodw, from Portland (described in Geol. Mag., 1890, p. 158).

Six Fossil fishes from the Old Red Sandstone of Scotland; one *Carcharodon* tooth from the Pliocene, France; two Teleostean fishes from Wyoming, U.S.A.; and two Cretaceous fishes from the Lebanon.

Twenty-one Fossil fishes from the Trias, &c. of Saarbrucken (Rhenish Prussia), part of the Goldenberg Collection (*see* his "Fauna Saræpontana Fossilis").

Remains of *Lepidotus* from Swanage, also a spine and jaw of *Asteracanthus;* one specimen of *Radinichthys* from West Calder, N.B.

Various fish remains from the Gault; also 17 portions of a new genus and species of Fossil Fish from the Gault of Folkestone.

B.—Invertebrata.

(*a.*) *Mollusca.*—A series of Mollusca from the Lias Mickleton Tunnel.

One hundred and eleven specimens of Jurassic Cephalopoda, from Dorsetshire.

A series of Mollusca from the Secondary strata of Weymouth and the Isle of Portland.

Thirty-seven Cephalopods, comprising the genera *Ammonites, Nautilus, Harpoceras, "Aptychus,"* and *Lituites*, from various formations and localities in England and France; also 10 *Trigoniæ, Ostreæ, Pleurotomariæ, &c.*

Thirty species of Mollusca, from the Meule de Bracquegnies Hainault.

Two hundred and thirty Eocene Mollusca from the Paris basin; and 248 from the Miocene, Muddy Creek, and Glenelg River, Victoria, Australia.

Eleven Mollusca from the Trias of Saarbrucken Rhenish-Prussia, part of the Goldenberg Collection. (*See* "Fauna Saræpontana Fossilis.")

A series of small *Belemnites*, with phragmocones from the Oxford Clay of Christian Malford; also *Ammonites* from the Gault and Portland Oolite.

Three Gasteropoda and 18 Lamellibranchiata from the Eocene, &c.

A series of *Pleurotomariæ* from the British Oolites.

A collection of 370 Cephalopoda and Lamellibranchiata from the Trias of Hallstadt, Austria.

(*b.*) *Crustacea* and *Insecta*.—Seventy-four Crustacea from the Trias, &c. of Saarbrucken, Rhenish-Prussia, Goldenberg Collection. (*See* his Fauna "Saræpontana Fossilis.")

A chela of *Glyphæa*, from the Portland Stone, Weymouth, and one Trilobite from Dudley.

One *Necrocarcinus Woodwardi*, from the London Clay; one Eurypterid, from the Wenlock Dudley; and four other crustaceans.

A series of Trilobites from the Dudley Limestone and the Ordovician of Russia; also *Hoploparia* and *Meyeria* from the Neocomian of the Isle of Wight.

(*c.*) *Echinodermata*.—One hundred and thirty-five Echinoderms (figured by Dr. Wright, in Mon. Pal. Soc.); also other specimens from the Gavey Collection, mostly from the Lias, Mickleton Tunnel.

A series of Echinodermata from the Secondary Strata of Weymouth and the Isle of Portland.

A specimen of *Clypeus Mülleri* (figured and described by Dr. Wright, Pal. Soc. Mon.); Great Oolite, Cirencester.

A fine series of *Apiocrinus Parkinsoni*, from the Bradford Clay of Wiltshire; also a specimen of *Woodocrinus*, from the Carboniferous Limestone of Yorkshire.

(*d.*) *Zoophyta*.—Sixty-seven specimens of Tertiary Corals, from Pelona (Bordeaux), Touraine, &c.

(*e.*) *Protozoa*.—Four sections of Fossil Sponge.

Twenty-five Microscopic Slides of Foraminifera from the London Clay, Piccadilly (figured and described in the Jour. Royal Micros. Soc.).

C.—Plantæ.

Nine plant remains from the Trias, &c. of Saarbrucken, Rhenish Prussia, part of the Goldenberg Collection (*see* his "Fauna Saræpontana Fossilis").

A fine *Neuropteris*, from the Coal measures of Britain.

The

The total number of specimens acquired during the past year have been as follows :—

A. VERTEBRATA :		
By Donation - - - - -	210	
„ Purchase - - - - -	2,064	
„ Exchange - - - - -	46	
		2,320
B. INVERTEBRATA :		
By Donation - - - - -	2,171	
„ Purchase - - - - -	2,309	
„ Exchange - - - - -	25	
		4,505
C. PLANTÆ :		
By Donation - - - - -	221	
„ Purchase - - - - -	11	
		232
TOTAL - - -		7,057

Exchanges :—

An exchange has been sanctioned with Dr. F. Freck, of the Halle University, of two duplicate specimens of *Stoliczkaria granulata,* for three specimens of *Heterastridium conglobatum,* from the U. Trias of Austria, new to the collection.

An exchange with Dr. Jaekel, Berlin University, of some duplicate fish bones and teeth for two Crinoids, new to the collection ; also three duplicate Crinoids for five specimens of *Phyllocrinus* from the Neocomian of Stramberg, not represented in the collection.

An exchange with Mr. W. R. Billings, of eight duplicate Cystidea for 15 Silurian Crinoids, from America, new to the collection.

Lectures and Demonstrations.

Swiney Lectures on Geology :—

A course of twelve lectures on "the Microscope in Geology," by Professor Henry Alleyne Nicholson, M.D., D.Sc., F.G.S., etc., Regius Professor of Natural History in the University of Aberdeen, was delivered in the Natural History Museum, commencing on the 6th of October, and ending on the 31st of that month ; they were attended by 1,889 persons, or on an average by 157½ persons for each lecture.

Mr. F. A. Bather gave an address to the members of the Geologists Association, on 12th April, on Crinoids, and was followed on the same afternoon by Mr. J. W. Gregory, on the Echinoids. Forty-five members were present.

Professor P. Martin Duncan, F.R.S., gave demonstrations to his class of students from King's College on April 29th May 13th, and 20th.

Dr. Henry Woodward gave demonstrations on the Pleistocene Mammalia to visitors on 5th and 19th November, and on 3rd and 29th December.

The number of visits from students and persons who have consulted the collections and the Library for purposes of scientific research during the year, and who have received special assistance from members of the staff of the Department, was 3,771.

Henry Woodward.

Department of Mineralogy.

The Staff and its Duties.

The staff of the Mineral Department consists of the keeper, three assistants, three attendants, and two boy-attendants. The duties are distributed as follows:—

Three Assistants.—To one is assigned most of the scientific and executive work relating to the collection of mineral species; including the preliminary examination of specimens submitted for purchase or exchange, the registration and incorporation of the recently acquired specimens, the preparation of species-, variety-, and locality-labels, the determination of the physical and geometrical characters of specimens, and the preparation of a descriptive catalogue of the collection.

To a second is assigned similar work relative to the specimens of rocks.

To the third is assigned the chemical analysis of both minerals and rocks.

Though a mineralogist can no longer satisfactorily attempt to keep abreast of scientific knowledge and undertake scientific work in more than one of the above three branches of the subject (physical, petrological, and chemical), such a sharp limitation of the work of the assistants would be contrary to the interests of the Museum; hence, as far as possible, it is arranged that each assistant has the opportunity of acquiring a general knowledge of the specimens preserved in the department, and of thus becoming of more general service to the public in the absence of his colleagues.

Three Attendants.—One is specially employed in the preparation of thin sections of minerals and rocks for examination with the microscope; a second is charged with the arrangement

ment and cataloguing of the Departmental Library; the third with the more mechanical work of the chemical laboratory.

The general duties of dusting the cases, packing and unpacking of specimens, copying, &c., are also performed by the attendants.

Two Boy-Attendants.—They attend on the superior officers as required, are charged with the sale of the departmental guides, and do a large part of the simpler mechanical work, such as the filling of trays with clean cotton wool, &c.

General.

For the continuation of the descriptive catalogue of the Mineral Collection, the following species have been examined; Calaverite, Krennerite, Gersdorffite, Ullmannite Corynite, Grünauite, Geocronite and Frieseite: and the part, which deals with the species Acanthite and Stephanite has been brought up to date.

Specimens of Melanophlogite, Sillimanite, Olivenite, Jade and Jadeite, have been crystallographically and optically examined.

A new mineral species has been determined, and described under the name of Sanguinite.

Descriptions have been published of Stephanite and Krennerite; also analyses of Polybasite, Stephanite, and incrustations of zinc sulphide.

One hundred and fifty-one specimens have been chemically examined, including a large series of nickel ores, and 74 doubtful minerals; quantitative analyses of Ullmannite and Bowenite have been made.

The meteoric irons of Mexico have been examined, and descriptions have been published.

The arrangement of a crystal collection has been commenced with the selecting, mounting, and labelling of typical crystals.

The specimens illustrative of metallic ores have been placed together in one part of the gallery.

The large series of Fluors has been topographically arranged, and the duplicates have been set aside.

The preparation of a complete list of species and varieties of minerals not yet represented in the collection has been begun.

New editions of the Student's Index to the Collection of Minerals and of the Meteorite Guide have been published.

Exchanges of specimens have been arranged with the Museums of Munich, Utrecht, and Rio de Janeiro, the United States National Museum, and Mr. E. A. Pankhurst.

The rocks from Fernando Noronha have been examined, and the large collection of rocks made by the Challenger Expedition has been incorporated.

The limestones have been sorted, and duplicate specimens have been laid aside.

The large topographical collection of rock specimens has been re-arranged.

A series of typical rock specimens has been selected and arranged for exhibition.

The preparation of a series to serve as an Introduction to the Study of Rocks has been begun.

Most of the drawers containing the rocks have been fitted with card-trays.

One hundred and nineteen microscopic sections of rocks and meteorites have been prepared; eleven meteorites have been faced and polished for etching.

Departmental Library.

To the Departmental Library have been added 209 separate works (in 126 volumes), 119 memoirs and pamphlets, and 18 parts of works not yet completed.

Of the above, 37 volumes were acquired by presentation or transfer; all of them, including 903 plates, have been registered and stamped. The titles and cross-references relating to 97 volumes, 737 memoirs and pamphlets, and 25 maps, have been prepared for the Museum Library Catalogue.

Visitors.

The number of visits recorded as made to the department for purposes of consultation and study is 623. As the gallery is now open daily to the general public, and the mineral collections are so exhibited and described that reference to the officers of the department on the part of students is generally unnecessary, it is practically impossible to estimate the number of visits made to the department for the purpose of study alone.

Acquisitions.

One thousand six hundred and one specimens have been acquired during the year 1890; namely, 586 minerals, 980 rocks, and 35 meteorites. These have been registered, numbered, labelled, and incorporated with the collection. The more important of them are named below:—

Minerals.

By Presentation:—

Silver-ores and minerals, Broken Hill Mines, New South Wales; by Money Wigram, Esq.

Metalliferous ores, Northern Territory, South Australia; by Mrs. H. Bovill.

Pyrrhotite; Morro Velho, S. America; and Gold, Sierra County, California; by F. Tendron, Esq.

Retinite;

Retinite; Bay of Islands, New Zealand; and 31 ore specimens from Northern Territory, South Australia; by the Council of the Geologists' Association.

Dudgeonite; Cairnsmore, Fleet, Kirkcudbrightshire; by P. Dudgeon, Esq.

Michel-lévyite; Perkin's Mill, Templeton, Canada; by G. C. Hoffman, Esq.

Natrolite; Kimberley, South Africa; by G. J. Lee, Esq.

Auriferous Quartz; Yilgarn, Western Australia; by F. A. Canning, Esq.

Minerals and Rocks (79 specimens) from Madagascar; by Rev. J. Wills.

Ironstone; New Scotland, Transvaal; by H. B. Fulton, Esq.

Eisenkiesel (three specimens); Weston-super-Mare, and Worle, Somersetshire; by S. G. Perceval, Esq.

Nitratine and Nitre; Tarapaca, South America; and Sulphur; Peru; by A. F. Jones, Esq.

Sulphate of Copper; Rio Tinto Mines, Seville, Spain; by J. H. Collins, Esq.

Chrysotile; Canada; by R. H. Jones, Esq.

Cassiterite and other minerals (16 specimens), from Tasmania; by the Government of Tasmania; through the Agent General.

A hatchet made of Fibrolite; North of France; by C. Seidler, Esq.

Asbestos: Italy; by the United Asbestos Company.

Gold; Department of Tacuarembó, Uruguay; by Dr. Alberto Nin.

Geyserite; Yellowstone Park, North America; by Rev. Professor Wiltshire.

Auriferous Ores; Charters Towers, Queensland; by J. Macdonald, Esq.

Tinstone (nine samples); Greenbushes Tin-field, Western Australia; by H. P. Woodward, Esq., F.G.S.

Awaruite and the associated rocks and minerals (38 specimens); South Island, New Zealand; by Professor G. H. F. Ulrich, F.G.S.

By Purchase:—

Friedelite and Heliophyllite; Harstigen, Wermland, Sweden.

Langbanite; Langban, Wermland, Sweden.

Synadelphite; Nordmarken, Sweden.

Melanophlogite, in large crystals and coloured; Girgenti, Sicily.

Hæmatostibiite, Polyarsenite, Arseniopleite; Sweden.

Pleonectite, Anthochroite and Pleurasite, all new minerals; Sjögrufvan, Örebro, Sweden.

Bröggerite, a large crystal; Moss, Norway.

Fluor in fine green cubes; Weardale, Durham.

Vivianite, of exceptional size; St. Just, Cornwall.
Sternbergite, in fine crystals; Joachimsthal, Bohemia.
Enargite; Gilpin County, Colorado.
Fergusonite; Julianshaab, Greenland.
Edingtonite; Old Kilpatrick, Dumbartonshire.
Refdanskite; Siberia.
Gold; Kapnik, Hungary.
Pyrrhite, a very rare mineral, on Orthoclase; and fine crystals of Topaz; Mursinsk, Russia,
Cuprouranite; Gunnis Lake, Callington, Cornwall.
Pucherite; Schneeberg, Saxony.
Phacellite; Vesuvius.
Phosgenite, Fiedlerite and Laurionite; Laurium, Greece.
Boryslavite; Boryslav, Galicia.
Laurite; Marienberg, Saxony.
Hoffmannite; Siena.
Mixite; Schneeberg, Saxony.
Xenotime, in large crystals; Arendal, Norway.
Polycrase and Fergusonite, in exceptionally fine crystals; Moss, Norway.
Semseyite; Rodna, Transylvania.
Laubanite; Wingendorf, Rhenish Prussia.
Pyrrhotite; Minas Geraes, Brazil.
Dyscrasite, in very fine crystals; Andreasberg, Harz.
Ralstonite and Thomsenolite, of unusual excellence; Evigtok, Greenland.
Boracite; Westeregeln, Stassfurth, Prussia.
Sideronatrite and Hohmannite; Caracoles, Chili.
Jalpaite; Tres Puntas, Chili.
Argyropyrite; Freiberg, Saxony.
Arsenical Silver; Andreasberg, Harz.
Arsenical Bismuth; Schneeberg, Saxony.
Beegerite, and Rionite; Ouray County, Colorado, U.S A.
Pyrites, of an unusual form; French Creek Mines, Chester County, Pennsylvania, U.S.A.
Topaz and Orthoclase; Tanagama, Japan.
Amarantite; Copiapo, Chili.
Lettsomite; Morenci, Arizona, U.S.A.
Calcite, in brilliant crystals; Egremont, Cumberland.
Lead, crystallised; Harstigen, Sweden.
Borax, in large crystals; Esmeralda County, Nevada, U.S.A.
Meneghinite; Bottino, Tuscany.
Chrysoberyl, in beautiful twin crystals; Ceylon.
Troegerite, Walpurgite, Uranosphaerite, Voglianite, and other rare uranium minerals; Schneeberg, Saxony.
Hauerite, in magnificent large crystals; Radusa, Sicily.
Picromerite and Salt, in a rare form; Stassfurth, Magdeburg, Prussia.
Muriazite; Leopoldshall, Prussia.
Pinnoite; Aschersleben, Prussia.

Flinkite and Tephroite; Harstigen, Pajsberg, Sweden.
Apophyllite; Syhadree Mountains, Bombay.
Dahllite; Bamle, Norway.
Quartz, showing oolitic structure; Centre County, Pennsylvania.
Fluor and Tourmaline; Saxony.

By Exchange :—

Wollastonite; St. Lawrence County, New York, U.S.A.
Rhodonite; Franklin, New Jersey, U.S.A.
Turquoise; Los Cerillos, New Mexico, U.S.A.
Chalcedony and Geyserite; Yellowstone National Park, Wyoming, U.S.A.
Wood Opal; Montana, U.S.A.
Cryolite, Gearksutite and Pachnolite; Pike's Peak, Colorado, U.S.A.
Descloizite and Vanadinite; Georgetown, New Mexico. U.S,A.
Utahite; Utah, U.S.A.
Genthite; Douglas County, Oregon, U.S.A.
Polydymite; Sudbury, Ontario, Canada.
Dumortierite; Yuma County, Arizona, U.S.A.
Plattnerite; Mullan, Idaho, U.S.A.
Messelite; Darmstadt.
Of the above minerals the following species and varieties are new to the collection. :—
Hovite, Friedelite, Langbanite, Synadelphite, Hæmatostibiite, Arseniopleite, Nullabergite, Pleurasite, Pleonectite, Anthochroite, Mixite, Dudgeonite, Michel-lévyite, Refdanskite, Phacellite, Hohmannite, Sideronatrite, Argyropyrite, Jalpaite, Semseyite. Laubanite, Arsenical Bismuth, Beegerite, Amarantite, Rionite, Uranosphaerite, Voglianite, Hofmannite, Boryslavite, Messelite, Flinkite, Heliophyllite, Pinnoite, Picromerite.

Rocks.

By Presentation :—

700 Rock-specimens collected by the Challenger Expedition; by the Government, through Dr. John Murray, F.R.S,
77 Rock-specimens, principally from Guernsey; by B. B. Woodward, Esq., F.G.S.
22 Rock-specimens, principally from Auvergne; by H. A. Miers, Esq., M.A.
Vesicular Lava; Rio Pedregal, S. America; by E. Whymper, Esq.
Eight rocks and minerals; Bahia, S. America; by D. W. Barker, Esq.
79 Rocks and minerals from Madagascar; by Rev. J. Wills.
12 specimens of Variolite and associated rocks from the Cottian Alps; by J. W. Gregory, Esq., F.G.S.

Volcanic bomb, from Vulcano; by Dr. H. Johnston-Lavis.

Dolerite; Downhead, Somersetshire; by C. D. Sherborn, Esq., F.G.S.

Dolerite; Worle Hill, Somersetshire; by S. G. Perceval, Esq.

Dolerite; Nuneaton, Leicestershire; by R. Etheridge, Esq., F.R.S.

Lava, from the now submerged Graham's Island; by A. T. Hotham, Esq.

Conglomerate; Hyens Fjord, Norway; by Lord Ducie.

By Purchase:—

A collection of volcanic rocks from Etna.

A collection of rocks from California and Mexico.

Meteorites.

By Purchase:—

Jelica, Servia; fell 1st December 1889; 1,883 grams.

Trenzano, Brescia, Italy; fell 12th November 1856; weight 148 grams.

Estherville, Emmet County, Iowa; fell 10th May 1879; weight 416 grams.

Mighei, Olviopol, Russia; fell 6th June 1889; weight 87·2 grams.

Hamilton County, Texas, U.S.A.; weight 6,185 grams.

Welland, Ontario, Canada; weight 466 grams.

Winnebago County, Iowa, U.S.A.; fell 2nd May 1890; weight 2,560 grams.

Collescipoli, Terni, Italy; fell 3rd February 1890; weight 105 grams.

Washington, Kansas, U.S.A.; fell 25th June 1890; weight 742 grams.

Brenham Township, Kiowa County, Kansas, U.S.A.; weight 1,504 grams.

Doña Inez, Chili; weight 1,016 grams.

Llano del Inca, Chili; weight 376 grams.

Bielokrynitschie, Volhynia, Russia; fell 1st January 1887; weight 54 grams.

By Exchange:—

Pirgunje, Dinagepur, India; fell 29th August, 1882; weight 842 grams.

Blaauwkapel, Utrecht; fell 2nd June 1843; weight 60 grams.

Santa Barbara, Rio Grande do Sul, Brazil; fell 26th September 1873; weight 1·7 grams.

21 January 1891. *L. Fletcher.*

Department of Botany.

During the year, 42,646 specimens have been mounted, named, and inserted in their places in the Herbarium. These have consisted principally of plants from Greece, collected by Heldreich; from the Caucasus, by Brotherus; from Syria, by Post; from India, by Beddome; from Penang, by Curtis; from Malaya, by King; from China, by Hance; from Japan, by Maximowicz; from Natal, by Clarke; from Madagascar, by Scott Elliot; from Canada, by Macoun; from Mexico, by Pringle; from British Guiana, by Jenman; from South America by Miers and Pearce; from Fernando de Noronha, by Ridley; and from the Sandwich Island, by Hillebrand.

In the progress of incorporating these additions, the following Natural Orders have been more or less completely rearranged:—*Malvaceæ*, *Leguminosæ*, *Valerianaceæ*, *Aristolochiaceæ*, *Dipsaceæ*, *Apocynaceæ*, *Acanthaceæ*, *Chenopodiaceæ*, *Juncaceæ*, *Cyperaceæ* and *Gramineæ*.

A considerable portion of the Fungi has been arranged and named according to Saccardo's "Sylloge Fungorum," and numerous specimens of Algæ, Mosses, and Lichens, have been incorporated with the Herbarium.

The revision of the specimens and illustrations of the Natural Orders of Plants in the Public Gallery has been continued, and a complete series of the British Mosses, with coloured drawings of the Genera, has been added to the exhibited collection of British Plants.

In the progess of the year's work the officers of the Department have been engaged as follows:—

Mr. E. G. Baker has incorporated with the Herbarium the Polypetalous plants of Pearce's South American collections, of Macoun's Canada collections, of Clarke's Natal collections, of Jenman's British Guiana collections, of Pringle's Mexican collections, of Curtis's Penang collections, of King's Malayan collections, and Hillebrand's Sandwich Island collections, together with portions of the Herbaria of Beddome, Hance, and Miers. The Polypetalous plants brought from the High Andes by Mr. E. Whymper, were named, and a new species of *Helosis* described. Mr. Baker and Mr. A. B. Rendle have revised and re-arranged the series in the Public Gallery illustrating the Orders of Plants. The whole of the *Thalamifloræ*, the *Calycifloræ*, as far as the *Cucurbitaceæ*, and a portion of the *Apetalæ* have been dealt with.

Mr. James Britten has incorporated the *Apocyneæ* from various collections, including those of the Herbaria of Hance and Miers, naming the latter in accordance with Miers' Monograph of the Order. The Orders *Valerianaceæ*, *Aristolochiaceæ* and *Dipsaceæ* have been re-arranged, and various collections have been added; and a large number of *Acanthaceæ*, *Chenopodiaceæ*, and *Euphorbiaceæ* have been identified and incorporated. The *Compositæ* of the collections of Beddome, Hance, Hooker

and Thomson, Schlagintweit, Strachey, and Winterbottom, and others have been laid in, and these species have been named and arranged according to the "Flora of British India." A large number of Cape and Australian *Compositæ* have also been added. The *Monopetalæ* and *Apetalæ* of Whymper's plants from the Andes were named, and the same groups in Hillebrand's Sandwich Island plants were compared and incorporated.

Mr. A. B. Rendle has incorporated with the Herbarium the Monocotyledons and Gymnosperms contained in the following collections:—Anatolia by Bornmuller; Syria, by Post; Singapore, by Ridley; Penang, by Curtis; India and Malaya, by King; Hong Kong, by Lamont; Japan, by Maximowicz; Australia, by von Mueller; Madagascar, by Scott Elliot; Natal, by Clarke; Canada, by Macoun; Mexico and Texas, by Pringle; British Guiana, by Jenman; Fernando do Noronha, by Ridley; and the Sandwich Islands, by Hillebrand. He has selected and incorporated the Petaloid Monocotyledons and Grasses of the Welwitsch Herbarium; and has determined the species of Monocotyledons brought from the Andes by Mr. E. Whymper. In the course of his work Mr. Rendle has revised and named up several genera of *Orchidaceæ, Liliaceæ, Cyperaceæ*, and *Gramineæ*, and the Indian and Japanese *Coniferæ*.

Mr. A. Gepp has arranged and incorporated several published sets, and various collections of mosses, in all 13,831 specimens, with the arranged Herbarium. He has begun to classify the various series of *Hepaticæ* with the view of incorporation. He has determined the species of Mosses, Hepatics, and Lichens brought from the Andes by Mr. E. Whymper, and similar collections from South Australia by Mr. Tepper, and from New Zealand, by Mr Vaughan Jennings. Mr. Gepp has selected and arranged the collection of British mosses, with their illustrative drawings and descriptions, for exhibition in thePublic Gallery.

Mr. G. Murray has been employed for the greater part of the year on the re-arrangement of the general collection of Fungi, according to Saccardo's "Sylloge Fungorum." This has involved the remounting of a large proportion of the specimens dealt with, and the incorporation of many others, in all 19,943. The following groups have been completed:—*Uredineæ, Phycomycetes, Myxomycetes, Hyphomycetes, Sphæropsideæ, Tuberaceæ*, and *Pyrenomycetes*, while the *Discomycetes* have been nearly completed. The Fungi collected by Mr. E. Whymper on the Andes have been determined and described. Several groups of *Algæ* have been critically revised and named, and a number of additional specimens have been incorporated. Collections from Australia and the Indian Ocean have been named, and new species from Britain, the West Indies, and the Indian Ocean have been described.

The principal additions to the Herbarium during the year have been the acquisition of the collections formed by the late Dr. R. McCormick, R.N., consisting of plants from Spitzerbegen, collected in the expedition to the Arctic Regions, under Captain

tain Parry in 1827; of those obtained in the voyage of the "Erebus" and "Terror," in the South Polar Seas, under Sir James Clark Ross, at Madeira in October 1839, the Cape de Verdes in November 1839, Trinidad in December 1839, St. Helena in February 1840, Cape of Good Hope in March 1840, Tasmania in August 1840, Auckland and Campbell Islands in December 1840, New Zealand in August 1841, Falkland Islands in April 1842, Hermite Island in November 1842, and in Ascension Island in May 1843; and in the expedition in search of Sir John Franklin, at Disco, in June 1852, and at Caswell's Tower in July 1853.

A great series of microscopic slides, amounting to 3,137, formed by the late John Ralfs, M.R.C.S., Author of "The British Desmidieæ," were presented by his son, Mr. J. W. Ralfs, of Liverpool. They consist of specimens of *Desmidieæ*, *Diatomaceæ*, and other *Algæ*, and contain the types of his own species, as far as they were in his possession.

The Director of the Royal Gardens, Kew, presented to the Trustees the Herbarium of G. M. Ferro, Apothecary in Venice, who died in 1678. The plants are fastened on the pages of three folio volumes, and are in an excellent state of preservation.

The Museum has acquired the scientific correspondence of the late Rev. M. J. Berkeley, F.R.S., containing letters from the most distinguished fungologists of his day, and including those of Mr. C. E. Broome, in reply to his own letters already in the Department of Botany. These two series of letters are of much importance, as they refer to specimens in Mr. Broome's great Herbarium, which was bequeathed to the Trustees, and received four years ago.

The additions to the collections by presentation during the year have consisted of 26 Chinese plants from Mr. T. Sampson; 17 New Guinea Plants, and 675 Australian plants from Baron F. von Mueller; specimen of a *Myrmecodia*, from Prof. Haddon, Dublin; 384 plants from British Guiana, from Mr. G. S. Jenman; 375 Indian plants from Dr. G. King; 590 plants from Mr. H. N. Ridley, Singapore; a collection of plants from the Victorian Government; 118 plants from Madagascar, from Mr. G. F. Scott Elliot; 109 New South Wales plants from Rev. J. Lamont; 87 plants from Dominica, from the West Indian Exploration Committee; 38 plants from the High Andes, presented by Mr. E. Whymper; 26 Indian plants from Mr. C. B. Clarke; 26 Orchids from Mr. H. J. Veitch,; a collection of Assam Ferns from Mr. C. W. Hope; and specimens from Messrs. H. Feer, F. W. Styan, T. D. A. Cockerell, T. Harcourt Powell, and C. Bicknell; 157 woods and 42 seeds from Victoria, from the Victorian Government; the woody portion of the stem of a Cactus from California, from Mr. O. H. Howarth; fruits of *Monstera*, from Lady Theodora Guest, and cones of *Araucaria imbricata*, from Mr. T. Harcourt Powell.

260 cellular Cryptogams collected on his various expeditions, by Dr. M'Cormick, R.N., and bequeathed by him; 92 species of cellular plants from the Andes, collected and presented by Mr. E. Whymper; 40 species of cellular plants from New Zealand, from Miss Rye; 39 species of cellular plants from Singapore, presented by Mr. H. N. Ridley; specimens of cellular plants from Rev. H. G. Jameson, Mr. H. W. Monington, Mr. C. H. Wright, Mr. W. H. Pearson, Mr. W. H. Paterson, Rev. E. S. Marshall, Mr. A. W. Bennett, Mr. Charles Whatmore, Prof. Harvey Gibson, Mr. George Massee, Mr. T. D. A. Cockerell, Mr. E. A. L. Batters, Dr. Wilson Barker, and Prof. Johnson; 16 Australian Algæ from Mr. C. Hampden Wigram; 110 Astralian Algæ from Mr. George Clifton, R.N.; 138 Australian Algæ, collected by Mr. Bracebridge Wilson, from Baron Ferdinand von Mueller; six species of Algæ from Port Elizabeth, from Mr. H. A. Spencer; 221 specimens of Algæ from the Cape of Good Hope, collected and presented by Mr. Leonard A. Boodle; 53 British Fungi, presented by Mr. Horatio Piggot; 30 slides of Indian Uredineæ, and two Fungi from Simla, from Dr. A. Barclay.

Among the additions to the British Herbarium are:—209 specimens from the Rev. E. S. Marshall; 410 specimens from the Rev. T. S. Lea; 53 specimens from Mr. John Benbow; 32 specimens from Mr. W. H. Beeby; 37 specimens from the late Mr. T. R. Archer Briggs; 11 specimens from Mr. R. W. Scully; and others from Misses R. F. and F. P. Thompson, Messrs. F. J. Hanbury, W. Whitwell, and F. C. S. Roper; and an important collection of fruits and seeds from Mr. Clement Reid.

The following collections have been acquired by exchange:—179 of Schweinfurth's Arabian plants; 452 Sandwich Islands plants from Hillebrand; 467 Japanese plants from the St. Petersburg Herbarium; 224 of Schimper's Abyssinian plants from the Berlin Herbarium; 10 American *Malvaceæ* from J. N. Rose; *Deleseria amboinensis* from Count Solms Laubach.

The following collections have been acquired by purchase:—194 plants from Honduras, collected by the Rev. J. Robertson; 113 Natal plants from Mrs. C. S. Clarke; 300 Hieracia of Scandinavia, from H. Dahlstedt; 358 Mexican plants, from C. S. Pringle; 469 Asia Minor plants, from Bornmüller; 243 Penang plants from C. Curtis; 706 *Cyperaceæ* and *Gramineæ*, from Col. Beddome; 25 specimens of *Erythræa* from Wittrock; 111 specimens of Natal plants, from J. M. Wood; 603 Bolivian plants, from H. H. Rusby; 526 Syrian plants from G. E. Post; 1,975 plants from the Republic of Columbia, collected by F. J. Lehmann; 320 Greek plants, from Orphanides; 8 *Muscineæ* 15 lichens, and 132 fungi from Tonkin, collected by Balansa; 106 specimens of South African Hepaticæ collected by Rehmann; 74 British Hepaticæ from Carrington and Pearson; 1,287 lichens from Rev. J. M. Crombie; 100 Algæ from Hauck and Richter; 11 preparations of North American Diatomaceæ; 25 British

25 British Algæ from E. M. Holmes; 106 slides of Algæ, from Buffham; 500 Fungi from Sydow; 66 Fungi from the island of St. Thomas, Gulf of Guinea; 100 European Fungi from Winter; and 90 Fungi from the Orinoco, collected by A. Gaillard.

The very rare and valuable work, "Salictum Woburnense," privately printed in 1829, by the Duke of Bedford, has been presented by Mr. F. Justen, F.L.S., and the following additions to the Departmental Library have been received: "Second Systematic Census of Australian Plants," by Baron F. von Mueller; 19 Reports of the Royal Gardens, Kew, from the Director; "Flora of British India," parts xvi and xvii, and "Dictionary of Economic Products of India," from the India Office; "The Life of Robert Pocock," from the author, Mr. G. M. Arnold; "Monograph of Artocarpeæ," from the author, Dr. King; Murillo's "Plantes Medicinales de Chili," from the Chilian Government; "Journal of the Royal Horticultural Society," from the Society; "The Great Maple," from the author, Mr. C. Howie; "Botanical Geography," from the author, Mr. J. G. Baker; Report of Botanical Exchange Club, for 1889, from Mr. C. Bailey; Maiden's "Wattles and Wattlebarks," from the Department of Public Instruction in Sydney; "Key to British Mosses," by the author, Rev. H. G. Jameson; Kellogg's "West American Oaks," by Mr. J. M. Macdonald; "Mycological Illustrations," by Miss C. E. Broome; "List of Marine Algæ of Berwick," by the author, Mr. E. A. L. Batters.

Fifteen photographs of trees uprooted by the cyclone at Calcutta, and 10 of plants at Darjeeling, have been presented by Dr. Anderson; and 74 drawings of Australian Fungi from the Victorian Government.

The number of visitors to the Herbarium for scientific research or inquiry during the year has been 1,244.

William Carruthers.

RETURN.

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BRITISH MUSEUM.

RETURN to an Order of the Honourable the House of Commons, dated 2 *May* 1892;—*for*,

COPY of "ACCOUNT of the INCOME and EXPENDITURE of the BRITISH MUSEUM (SPECIAL TRUST FUNDS) for the Year ending the 31st day of March 1892; and, RETURN of the Number of PERSONS admitted to visit the MUSEUM and the BRITISH MUSEUM (NATURAL HISTORY) in each Year from 1886 to 1891, both Years inclusive; together with a STATEMENT of the PROGRESS made in the ARRANGEMENT and DESCRIPTION of the COLLECTIONS, and an ACCOUNT of OBJECTS added to them in the Year 1891."

Treasury Chambers,
21 June 1892.

JOHN E. GORST.

(*Sir John Lubbock.*)

Ordered, by The House of Commons, *to be Printed,*
22 *June* 1892.

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325.

CONTENTS.

Page

I.—ACCOUNT OF THE RECEIPT AND EXPENDITURE OF THE BRIDGEWATER FUND, for the Year ended 31st March 1892 - - - - - - - - - - - - 4

II.—ACCOUNT OF THE FARNBOROUGH FUND, for the same period - - - - - - - - - - - - - 4

III.—ACCOUNT OF THE SWINEY FUND, for the same period - 6

IV.—ACCOUNT OF THE BIRCH FUND, for the same period - - 6

V.—RETURN of the Number of PERSONS admitted to visit the BRITISH MUSEUM and the BRITISH MUSEUM (NATURAL HISTORY) in each Year from 1886 to 1891, both Years inclusive - - - - - - - - - - - - - 8

VI.—STATEMENT of GENERAL PROGRESS at the MUSEUM (Bloomsbury) - - - - - - - - - - - - - 11

VII.—STATEMENT of PROGRESS made in the ARRANGEMENT and DESCRIPTION of the COLLECTIONS, and ACCOUNT of OBJECTS added to them, in the Year 1891 (Bloomsbury) - - - 14

VII.—Ditto - - - ditto - - - (Natural History) - - - 78

I.—AN ACCOUNT of the RECEIPT AND EXPENDITURE of the

		Cash.	Stock, 2¾ °/₀ Consols.
		£. s. d.	£. s. d.
To BALANCE on the 1st April 1891 - - -		102 13 11	13,150 13 10
- DIVIDENDS received on 13,150 *l.* 13 *s.* 10 *d.* Stock in 2¾ per Cent. Consols, bequeathed by the Earl of Bridgewater, viz.:	£. s. d.		
On the 6th April 1891 -	90 8 2		
„ 6th July 1891 -	90 8 3		
„ 5th October 1891 -	90 8 2		
„ 5th January 1892 -	90 8 3	361 12 10	
- RENT OF A REAL ESTATE, bequeathed by the Earl of Bridgewater (less charges of collection and repairs) - - -		27 12 8	
	£.	491 19 5	13,150 13 10

II.—AN ACCOUNT of the RECEIPT AND EXPENDITURE of the

		Cash.	Stock, 2¾ °/₀ Consols.
		£. s. d.	£. s. d.
To BALANCE on the 1st April 1891 - - -		51 11 3	2,879 10 7
- DIVIDENDS received on 2,879 *l.* 10 *s.* 7 *d.* Stock in 2¾ per Cent. Consols, bequeathed by Lord Farnborough viz.:	£. s. d.		
On the 6th April 1891 -	19 15 11		
„ 6th July 1891 -	19 15 11		
„ 5th October 1891 -	19 15 11		
„ 5th January 1892 -	19 15 11	79 3 8	
	£.	130 14 11	2,879 10 7

BRIDGEWATER FUND, from the 1st April 1891 to the 31st March 1892.

	Cash.	Stock, 2¾ °/₀ Consols.
	£. s. d.	£. s. d.
By Payment of one Year's Salary to the Egerton Librarian - - - - - - -	210 - -	
- Balances on the 31st March 1892, carried to Account for 1892-93 - - -	281 19 5	13,150 13 10
£.	491 19 5	13,150 13 10

FARNBOROUGH FUND, from the 1st April 1891 to the 31st March 1892.

	Cash.	Stock, 2¾ °/₀ Consols.
	£. s. d.	£. s. d.
By Balances on the 31st March 1892, carried to Account for 1892-93 - - - -	130 14 11	2,879 10 7
£.	130 14 11	2,879 10 7

III.—AN ACCOUNT of the RECEIPTS AND EXPENDITURE of the

			CASH.	STOCK, $2\frac{3}{4}$ °/₀ Consols.
			£. s. d.	£. s. d.
To BALANCE on the 1st April 1891 - - -			100 5 8	5,583 1 6
- DIVIDENDS received on 5,583 *l.* 1 *s.* 6 *d.* Stock in $2\frac{3}{4}$ per Cent. Consols, bequeathed by Dr. George Swiney for Lectures on Geology, viz.:				
On the 6th April 1891 -	£. 38 7 8			
„ 6th July 1891 -	38 7 8			
„ 5th October 1891	38 7 8			
„ 5th January 1892	38 7 8		153 10 8	-
		£.	253 16 4	5,583 1 6

IV.—AN ACCOUNT of the RECEIPTS AND EXPENDITURE of the

			CASH.	STOCK, $2\frac{3}{4}$ °/₀ Consols.
			£. s. d.	£. s. d.
To BALANCE on the 1st April 1891 - - -			- -	565 3 9
- DIVIDENDS received on 565 *l.* 3 *s.* 9 *d.* Stock in $2\frac{3}{4}$ per Cent. Consols, bequeathed by Dr. Birch in 1766, for the three Under Librarians of the British Museum, viz.:				
On the 6th April 1891 -	£. 3 17 9			
„ 6th July 1891 -	3 17 8			
„ 5th October 1891 -	3 17 9			
„ 5th January 1892	3 17 8		15 10 10	
		£.	15 10 10	565 3 9

British Museum,
1892.

SWINEY FUND, from the 1st April 1891 to the 31st March 1892.

	Cash.	Stock, 2¾ °/₀ Consols.
	£. s. d.	£. s. d.
By Salary paid to Dr. H. Alleyne Nicholson for Lectures on Geology in 1891 - - -	150 – –	
– Balances on the 31st March 1892, carried to Account for 1892-93 - - -	103 16 4	5,583 1 6
£.	253 16 4	5,583 1 6

BIRCH FUND, from the 1st April 1891 to the 31st March 1892.

	Cash.	Stock, 2¾ °/₀ Consols.
	£. s. d.	£. s. d.
By Legacy paid to the three Under Librarians of the British Museum, whose offices existed in 1766, viz., the Keepers of the Departments of Printed Books, Manuscripts, and Natural History - - -	15 10 10	
– Balance on the 31st March 1892, carried to Account for 1892-93 - - -		565 3 9
£.	15 10 10	565 3 9

E. Maunde Thompson,
Principal Librarian and Secretary.

V.—NUMBER of PERSONS ADMITTED to VISIT the BRITISH MUSEUM and the BRITISH MUSEUM (NATURAL HISTORY).

A.—PERSONS admitted to View the GENERAL COLLECTIONS in the British Museum in each Year from 1886 to 1891, both Years inclusive.

	1886.	1887.	1888.	1889.	1890.		1891.	
	No.	No.	No.	No.	Day. No.	Evening. No.	Day. No.	Evening. No.
JANUARY	31,053	33,176	37,472	35,360	35,013	—	33,563	3,237
FEBRUARY	27,847	27,415	33,311	34,622	31,876	15,230	31,369	3,836
MARCH	39,107	33,412	40,136	37,366	32,092	9,535	44,058	3,984
APRIL	45,833	46,414	54,698	52,716	54,141	7,442	42,270	4,012
MAY	58,940	50,493	46,922	43,509	43,101	6,212	46,449	3,865
JUNE	48,479	44,628	42,108	53,792	34,318	4,963	35,677	galleries closed.
JULY	48,725	52,223	45,739	46,964	45,036	4,712	45,753	3,246
AUGUST	63,234	58,819	53,793	51,359	49,710	3,543	52,998	4,420
SEPTEMBER	45,178	40,508	40,674	37,681	39,429	4,301	39,440	4,273
OCTOBER	38,167	37,078	39,208	40,427	36,061	4,431	37,162	3,581
NOVEMBER	28,667	31,390	29,930	34,559	31,105	3,629	32,007	3,346
DECEMBER	29,663	45,700	34,519	36,182	31,951	2,341	34,019	2,349
Total Number of Persons admitted to view the General Collections	504,893	501,256	498,510	504,537	463,833	66,339	474,765	40,149
					530,172		514,914	

NUMBER OF VISITS TO PARTICULAR DEPARTMENTS.	1886.	1887.	1888.	1889.	1890.	1891.
To the Reading Room, for the purpose of research and reference	176,893	182,778	188,432	190,025	197,823	198,310
To the Newspaper Room, for the purpose of research	9,152	11,802	14,499	14,524	15,216	14,529
To the Department of Maps, for the purpose of special research	98	169	101	196	178	162
To the Department of Manuscripts, for the purpose of examining Select and other Manuscripts	4,228	5,749	8,873	8,817	7,805	8,257
To the Galleries of Sculpture, for the purpose of study	11,755	10,341	10,687	13,122	11,686	6,625
To the Coin and Medal Room, for the purpose of study, &c.	2,013	1,952	2,003	2,108	1,988	1,727
To the Gold Ornament and Gem Room	15,367	11,719	15,138	20,747	19,128	19,607
To the Print Room, for the purpose of study	5,565	5,511	5,851	4,850	5,220	5,370
TOTAL	225,071	230,021	245,584	254,389	259,044	254,587

The Christy Collection was removed from 103, Victoria-street, to the British Museum, during the year 1883.

The Exhibition Galleries of the British Museum, Bloomsbury (including the Departments of Printed Books and Maps, Manuscripts, Prints and Drawings, Egyptian and Assyrian Antiquities, Greek and Roman Antiquities, British and Mediæval Antiquities and Ethnography, and Coins and Medals), are open to the public, free, as under:—

MONDAY, WEDNESDAY, FRIDAY, and SATURDAY—The whole of the Galleries.

TUESDAY and THURSDAY—The whole of the Galleries, except British and Mediæval Antiquities and Ethnography and rooms in the "White" Wing.

The Hours of Admission are from—

10 a.m. till 4 p.m. in January, February, November, December.

10 a.m. till 5 p.m. in March, September, October.

10 a.m. till 6 p.m. in April, May, June, July, August.

Also on—

MONDAY, WEDNESDAY, and FRIDAY EVENINGS (8 to 10 p.m.)—Exhibitions of Manuscripts, Books, Prints and Drawings, Coins and Medals, Porcelain, Glass, Majolica, Prehistoric, Mediæval, and Ethnographical Collections, &c.

TUESDAY, THURSDAY, and SATURDAY EVENINGS (8 to 10 p.m.)—Egyptian, Assyrian, Greek, and Roman Galleries, and Prehistoric Saloon.

The Museum is closed on Sundays, Good Friday, Christmas-day, and days of Public Fast or Thanksgiving.

Persons applying for the purpose of research and reference are admitted to the Reading Room under certain regulations every day, except the days specified below, in the months of January, February, March, April, September, October, November, and December, from 9 a.m. till 8 p.m.; and in the months of May, June, July, and August, from 9 till 7. The Newspaper Room is open, under similar regulations, from 10 a.m. until ten minutes before the hour of general closing.

The Reading Room, Newspaper Room, and Students' Room, Department of Manuscripts are closed on Sundays, Good Friday, Christmas-day, and the first four week-days in March and September.

Students are admitted generally to the several Departments from 10 till 4 o'clock; to the Sculpture Galleries from 9 o'clock till the hour of general closing; and to the Print Room from 10 till 4 o'clock from January to March, and from August to December, and from 10 till 5 from April to July.

British Museum,
30 March 1892.

E. Maunde Thompson,
Principal Librarian and Secretary.

B.—Persons admitted to view the Collections in the British Museum (Natural History), Cromwell Road, in each Year from 1886 to 1891, inclusive.

	1886:	1887:	1888:	1889:	1890:	1891:
January	27,253	24,529	28,095	24,693	24,273	25,146
February	23,916	21,560	22,093	20,391	17,937	21,376
March	27,849	27,431	32,622	30,294	22,439	39,697
April	40,080	40,207	47,926	49,262	45,309	32,102
May	31,416	36,126	37,822	31,866	38,034	36,841
June	35,301	27,742	27,967	42,201	32,381	26,405
July	31,331	27,114	33,758	28,485	29,820	31,923
August	52,525	36,584	43,073	40,138	40,434	47,635
September	35,540	29,817	27,404	25,262	29,329	32,217
October	33,122	29,424	22,225	23,264	28,138	31,496
November	22,936	23,170	21,491	20,319	23,144	23,366
December	21,473	34,474	28,326	24,865	24,444	27,702
Total Number of Persons admitted to view the Natural History Collections (including Students)	382,742	358,178	372,802	361,046	355,682	375,906

Number of Visits to particular Departments, for the purpose of Study—	1885:	1886:	1887:	1888:	1889:	1890:	1891:
Zoology	8,313	8,372	8,955	8,797	8,360	9,034	9,443
Geology	1,959	2,466	3,290	3,111	3,339	3,771	2,961
Mineralogy	626	761	620	733	683	623	946
Botany	1,105	1,026	1,483	2,214	1,344	1,244	2,226
Total	12,003	12,625	14,348	14,855	13,726	14,672	15,576

The Exhibition Galleries of the British Museum (Natural History), Cromwell-road, South Kensington, including the Departments of Zoology, Geology and Palæontology, Mineralogy, and Botany, are open to the public, free, every day of the week, except Sunday, and except Good Friday and Christmas-day, and days of Public Fast or Thanksgiving.

The Hours of Admission are from—

10 a.m. till 4 p.m. in January, November and December.
10 a.m. till 4.30 p.m. in February.
10 a.m. till 5 p.m. in October.
10 a.m. till 5.30 p.m. in March and September.
10 a.m. till 6 p.m. in April, May, June, July and August.
10 a.m. till 8 p.m. on Monday and Saturday only, from 1st May to the middle of July.
10 a.m. till 7 p.m. on Monday and Saturday only, from the middle of July to the end of August.

Persons are admitted daily to study in these Departments from 10 till 4 o'clock.

British Museum (Natural History),
1 April 1892.

W. H. Flower,
Director.

VI.—General Progress at the Museum, Bloomsbury.

The number of visitors to the Museum in the day-time has slightly increased during the past year, being 474,765, as against 463,833 in 1890. The grand total, however, of 514,914 falls short of that of last year, the number of visitors in the evening having declined. The average daily number of visitors in the day-time was 1,527, that of visitors in the evening was 143.

The new building on the western side of the Museum, for the better accommodation of the Department of Coins and Medals, has been completed.

The re-arrangement of the room built in extension of the Entrance Hall, which was commenced in 1890 by the removal of the Nereid Monument, has now been practically completed, the two large Lycian tombs having been taken down and re-erected in the Mausoleum Room, and a selection of Greek and Roman inscriptions and sculptures having been placed in position on the walls and floor.

The sculptures which formerly stood in the centre of the Roman Gallery have been removed to other parts of the Museum, in order to clear the main approach to the sculpture galleries which form the western half of the Ground Floor.

The Mausoleum Room is undergoing re-arrangement. The two Lycian tombs referred to above have been erected at the southern end, and the colossal lion from Cnidos, which has hitherto stood in the Elgin Room, has been placed in position at the northern end. The architectural remains and the colossal sculptures of the Mausoleum are being grouped, with a view to giving a more instructive idea of their original arrangement.

In the Egyptian Gallery some changes have been made in the disposal of the sculptures, in order to introduce recent acquisitions. The most important of these is a fine monolithic column, with palm-leaf capital, of the time of Rameses II.

In order to provide more storage room for the Department of Printed Books, the large bay at the foot of the North-east Staircase is being enclosed and fitted with galleries and presses.

The number of persons using the Reading Room has again increased slightly during the past year. The number of visits to the room has been 198,310, as against 197,823 in 1890. The average daily number of readers has been 654. The

average numbers in the room counted at certain hours of the afternoon have been :—

4 P.M.	5 P.M.	6 P.M.	6.30 P.M.	7 P.M.	7.30 P.M.
349	257	182	118	129	95

The number of volumes supplied to readers was 1,269,720, as against 1,226,126 in 1890.

The fluctuation in the numbers of the students in other Departments is slight, except in the case of those working in the Galleries of Sculpture. The number of these students has fallen from 11,686 in 1890 to 6,625 in the past year. This reduction, however, is to be ascribed to the adoption by the Royal Academy of Arts of more restrictive regulations for persons seeking to be admitted as Art Students.

Presentations of Museum publications, including reproductions of drawings by Old Masters and casts of antique engraved gems have been made to Free Public Libraries, Local Museums, and Art Schools throughout the United Kingdom.

The following are among the principal donations to the Museum :—

From the Egypt Exploration Fund, sculptured blocks from Bubastis, and a perfect monolithic column and other antiquities from Heracleopolis, in Egypt.

From the Cyprus Exploration Fund, various antiquities from Cyprus.

From Robert Chignell, Esq., a British gold torc, found at Dover.

From Señorita Llanos Keats, a collection of letters of the poet Keats to his sister, 1817–1820.

From Mrs. Charles Lee Lewes, autograph works of George Eliot.

From Mrs. Elizabeth Cruikshank (by bequest), a large collection of etchings and drawings by George Cruikshank.

From Lady Charlotte Schreiber, a collection of historical fans.

From Thomas Keay Tapling, Esq., M.P. (by bequest), a very extensive collection of postage-stamps, envelopes, and postal forms, of all nations; together with the sum of 1,000*l.* to defray the cost of their arrangement.

The following are the publications issued by the Departments at Bloomsbury during the year, viz. :—

Continuation of the General Catalogue of the Library, folio, 23 parts, viz. :—Ireland: Leval-Licska; Lictardus-Lindemayr; Linden-Liturgical; Liturgisches Archiv-Locke; Lockelvitz-Londolianus;

vitz-Londolianus; London; London ( )-Lothus; Loti-Lowdermilk; Lowe-Ludmila; Ludo-Luther (Margarethe); Luther (P.)-Lzheupovanie; M-MacCorkle; McCormac-Macky; Macl-Maginus; Magio-Malacrida; Malade-Mangiovini; Manglaez-Marcelli Zitella; Marcello-Markwort; Marl-Martimprey; Martin-Marxow; Massini-Mauriccio; Mb-Meinhold.

Catalogues of Accessions to the Library, folio, 26 parts.

Cuneiform Inscriptions of Western Asia, Vol. IV., (new edition), by Major-General Sir H. C. Rawlinson, Bart., G.C.B., &c., edited by P. le Page Renouf.

Catalogue of the Cuneiform Tablets in the Kouyunjik Collection, by C. Bezold, Vol. II.

Classical texts from Papyri in the British Museum, including the newly discovered poems of Herodas, edited by F. G. Kenyon, with autotype facsimiles.

Catalogue of Oriental Coins, Vol. X. (additions to Vols. V.—VIII.), by Stanley Lane Poole, edited by R. Stuart Poole (autotype plates).

Catalogue of Arab Glass Weights, by Stanley Lane Poole, edited by R. Stuart Poole (autotype plates).

A subject Index of the Modern Works added to the Library of the British Museum in the years 1885—90, compiled by G. K. Fortescue.

Guide to the Printed Books exhibited in the King's Library.

British Museum,
30 March 1892.

E. Maunde Thompson,
Principal Librarian and Secretary.

VII.—PROGRESS made in the ARRANGEMENT AND CATALOGUING OF COLLECTIONS, AND ADDITIONS MADE TO THEM, in the Year 1891. (Bloomsbury.)

DEPARTMENT OF PRINTED BOOKS.

I. *Arrangement.*—The works added to the collection during the past year have, as far as possible, been placed on the shelves of the Library according to the system of classification adopted in the Museum. The press-marks, indicating their respective localities, have been marked on the inside and affixed to the back of each volume; also on the title-slips. The total number of these press-marks amounts to 76,907; in addition to which 33,231 press-marks have been altered, in consequence of changes and re-arrangements carried out in the Library; 31,376 labels have been fixed to books and volumes of newspapers, and 79,790 obliterated labels have been renewed. The process of attaching third-marks to the books in the New Library, with the view of accelerating their delivery to readers, has been continued; 20,715 books have been thus marked during the year, and the corresponding alterations have been carried out in the Reading-room and Hand Catalogues; 4,664 volumes of country newspapers have also been numbered, and for London and country newspapers 9,817 index-slips have been written. The number of stamps impressed upon articles received is 390,691. About 3,330 presses of books and newspapers have been dusted in the course of the year.

II. *Catalogues.*—(*a.*) *Cataloguing.*—52,935 titles have been written (the term "title" applying equally to a main title and to a cross reference). Of these, 39,692 were written for the General Catalogue, and 13,243 for the separate Catalogues of Music and of the Oriental Collections.

(*b.*) *Printing.*—43,344 titles and 1,219 index-slips have been prepared for printing during the year, upon the plan announced in the Statement of Progress for 1879; and 41,368 title-slips and 1,219 index-slips have been printed off. Progress has also been made in printing the whole Catalogue in alphabetical sequence from the beginning. With the exception of the headings "Bible" (begun), "England," "France," "Great Britain," "Liturgies," "Luther," and a few others, the Catalogue, at the end of 1891, was either printed or at press as far as the heading "Metman."

One hundred and forty-two manuscript volumes have been printed during the past year, forming 22 printed parts.

(*c.*) *Incorporation.*—(1.) *General Catalogue.*—43,164 title-slips and 521 index-slips have been incorporated into each of

of three copies of this Catalogue. This incorporation has rendered it necessary, in order to maintain the alphabetical arrangement, to remove and re-insert 24,923 title-slips and 61 index slips in each copy, and to add to each copy 420 new leaves; while, in the preparation of the manuscript volumes for printing, it has been necessary to remove and re-insert 46,500 title-slips in one copy only, and to add thereto 262 new leaves.

The system of fortnightly incorporation, introduced in 1889 and described in the Annual Report for that year, has been carried out with perfect regularity during the past year, and on the 31st December every available title written for the Catalogue was in the printer's hands.

(2.) *Hand-Catalogues.*—The number of new entries made in the Hand-Catalogue of Academies was 187; in that of Periodical Publications, 370; and in the Hand-Catalogues of London and Country Newspapers, 1,011 and 8,806 respectively. The Hand-Catalogue of the Collection of London Newspapers, placed in the Newspaper Room in the White Wing, comprising the London papers of this century, is now practically complete; while that of the collection of the earlier London and of the country papers, placed in the New Library, is fast approaching completion.

(*d.*) *Music Catalogue.*—6,054 titles have been written for this Catalogue, and 28,745 titles were sent to the printer and printed off, while, consequently upon alterations made in the Catalogue, 928 title-slips have been removed and re-inserted in each of the two copies.

(*e.*) *Hebrew Catalogue.*—263 titles have been written for this Catalogue, and 12 sheets have been printed off.

(*f.*) *Oriental Catalogues.*—The number of titles written has been 5,475, of which 564 were for Sanskrit and Pali books; 2,500 for Arabic and Persian; 130 for Turkish, Armenian, Syriac, &c.; 331 for Tamil, Telugu, and Canarese, &c.; and 1,950 for Bengali, Hindustani, Gujurati, &c. Three and a half sheets of accessions have been printed for the Catalogue of Marathi books; 13 sheets for the Catalogue of Arabic books; 17 sheets for the supplementary Catalogue of Sanskrit and Pali books; and 9 sheets for the Catalogue of Gujurati books.

(*g.*) *Japanese Catalogue.*—1,451 titles have been written for this Catalogue.

(*h.*) *Shelf Catalogue.*—For this Catalogue, in which the title-slips mounted on cards are arranged in order of press-marks, 31,800 have been arranged, and 16,000 partially arranged, preparatory to incorporation; and 99,440 have been incorporated into the boxes.

(*i.*) *Catalogues of Books of Reference in the Reading Room.*—The additions and alterations in each of the three inter-

leaved copies of the Catalogue of Books of Reference in the Reading Room, which are requisite in order to record the changes in this collection by the addition of new works, and the exchange of old for new editions, have been made. The number of additions to each copy is 39.

The collection of books in the galleries of the Reading Room has continued to receive additions by the incorporation of new works of interest and importance, and the substitution of new for older editions. The number of additions to each of the interleaved copies of the Catalogue of this collection is 120.

A Subject-Index of the modern works added to the Library of the British Museum from 1885 to 1890, inclusive, continuing the Index previously published to the accessions since 1880, and containing about 40,000 entries, has been compiled by Mr. G. K. Fortescue, Superintendent of the Reading Room, and published by the Trustees during the past year. The indexing of recent acquisitions has also been continued for the year 1891.

III. *Binding.*—The number of volumes and sets of pamphlets sent to be bound in the course of the year was 10,421, including 1,533 volumes of newspapers. In consequence of the frequent adoption of the plan of binding two or more volumes in one, the number of bound volumes returned was 7,171; in addition to which 533 pamphlets have been separately bound. 1,088 volumes have been repaired.

IV. *Reading Room Service.*—The number of volumes returned to the General Library from use in the Reading Room was 802,204; to the Royal Library, 16,431; to the Grenville Library, 1,355; and to the presses in which books are kept from day to day for the use of readers, 449,730; making a total amount of 1,269,720 volumes supplied to readers during the year. The number of readers during the year has been 198,310, giving an average of about 654 daily, the room having been opened on 303 days; and an average of over six volumes daily for each reader, not reckoning those taken from the shelves of the Reading Room by the readers themselves.

Newspaper Room.—The total number of readers during the year has been 14,529, giving a daily average of 48. The number of volumes replaced after use was 50,543, giving a daily average of over three to each reader.

V. *Additions.*—(*a.*) 36,416 volumes and pamphlets (including 851 books of music) have been added to the Library in the course of the year, of which 5,018 were presented; 10,668 received in pursuance of the laws of English copyright; one under the international copyright treaties; 595 by international exchange, and 20,134 acquired by purchase.

(*b.*) 66,206

(*b.*) 66,206 parts of volumes (or separate numbers of periodical publications, and of works in progress) have also been added, of which 1,484 were presented; 33,857 received in pursuance of the laws of English copyright; three under the international copyright treaties; 448 by international exchange, and 30,414 acquired by purchase.

(*c.*) The number of newspapers published in the United Kingdom, and received under the provisions of the Copyright Act during the past year, has been 2,479, comprising 171,822 single numbers; 661 of these newspapers were published in London and its suburbs; 1,415 in other parts of England and Wales and in the Channel Islands; 224 in Scotland, and 179 in Ireland; 183 volumes and 43 numbers of old newspapers, belonging to nine different sets, have been purchased; 20 sets, containing 6,211 single numbers, of foreign and colonial newspapers have been presented; and 25 volumes and 18,500 numbers of modern foreign and colonial newspapers, belonging to 99 different sets, have been purchased.

(*d.*) 3,009 pieces of music, each piece complete in itself, have been acquired by copyright during the year.

(*e.*) The number of distinct works comprised in the 36,416 volumes and pamphlets, and the 66,206 parts of volumes already mentioned, amounts, as nearly as can be ascertained, to 34,702. Of these, 3,914 were presented, 11,875 acquired by English copyright 295 by international exchange, and 18,618 by purchase.

(*f.*) 3,420 articles have been received in the Department not included in the foregoing paragraphs, and comprising broadsides, current Parliamentary Papers, and other miscellaneous items. The addition of this number to those already given produces a total of 111,658 articles received in the Department in the course of the year.

VII. *Exhibition of Books in King's Library.*—The new edition of the Departmental Guide to the books exhibited in the King's Library, stated in last year's report to have been prepared for press, has been printed and published. It has been greatly enlarged from the previous editions, partly in consequence of the extension of the exhibition itself, but principally from the incorporation of the Guide to the exhibition of Chinese and Japanese books, heretofore published separately, and by the addition of a particular account of the exhibited bindings, formerly not described.

Acquisitions of Special Interest.—These have been numerous during the past year, and seven among them are of pre-eminent importance.

1. The first edition of Boccaccio's Decameron, printed at Venice by Christopher Valdarfer in 1471. Like all known copies, except one, this is imperfect, wanting five leaves, only two of which, however, belong to the text. The one perfect copy is in the library of Earl Spencer, and is that for which, at the Roxburghe sale in 1812, Lord Blandford gave 2,250 *l.*, having in his possession at the time the very copy now acquired by the Museum. In every other respect this is a finer copy than Earl Spencer's, and has copious bibliographical notes by the Rev. Vaughan Thomas, librarian to the Duke of Marlborough. The Museum previously possessed no edition earlier than 1478.

2. L'Art de bien mourir et de bien vivre, printed by Antoine Vérard, Paris, 1492. This work consists, in fact, of four distinct treatises: L'Art de bien mourir; Leguyllon de crainte divine; Ladvenement de Antechrist; and Le livre de bien vivre. The illustrations are magnificent specimens of early wood engraving, and those in "Ladvenement de Antechrist," which are greatly superior to those in subsequent editions, have not been traced elsewhere, the blocks having probably been destroyed or lost.

3. The second Mentz edition of the Constitutions of Pope Clement V., printed by Fust and Schoeffer in 1472, on vellum. This completes the series of early Mentz editions of this book in the Museum, and is, like the others, a splendid specimen of typography. The missing first leaf has been replaced in facsimile with exquisite skill.

4. Doctrina Christiana en Quichua y Aymara, Lima, 1584; Confessionario para los curas de los Indios, Lima, 1585; Catechismo y esposicion de la doctrina Christiana, Lima, 1585. The first three books printed in South America, all occurring within the same cover, perhaps an unprecedented circumstance.

5. The Octoechus, or hymn book arranged for eight voices, of St. John of Damascus, [Cetinje,] 1493. The second book printed in Cyrillic characters, the second printed in the Servian language, and the first printed in South Slavonia. It is practically the earliest Servian book extant, the first, a Horologium, printed at Venice, having for the present disappeared.

6. The Sarum Manual, printed by Pynson, 1506, on vellum. A splendid service book, of which only one other copy is known, that in the library of Stonyhurst College. The Museum copy wants the title, which has been supplied in facsimile by the courtesy of the Stonyhurst authorities. A few leaves near the end are wanting in both copies, having contained the form of excommunication in English, which was rarely used after about 1520.

7. Ordinarium

7. Ordinarium Sacri Ordinis Heremitarum, Mexico, 1556. A book of the greatest rarity, not more than two other copies being known. Its paramount interest, however, is not derived from its rarity, but from its containing what is, in all probability, the first music ever printed in the New World; it appearing almost impossible that any of the Mexican books prior to this in date, enumerated and fully described by Icazbalceta, should have contained music.

This remarkable acquisition was made at the sale of the first portion of the Heredia Library, at Paris, in May last, when, besides liturgies and music to be hereafter mentioned, the following books of exceptional interest were purchased for the Museum. The exceedingly rare Spanish translation of Boethius, printed at Toulouse by Heinrich Meyer, 1488; the first collection of laws promulgated by Ferdinand and Isabella, 1486; a splendid edition of the Fuero Real, Burgos, 1541; Privilegio de la ciudad de Alcala, 1564, printed in a small form, to facilitate the production of the charter by citizens claiming the privileges conferred by it; Gonzales Lente, Dos privilegios e prærogativas, &c., Coimbra, 1557, an exposition of the special privileges conferred upon women by the laws of Portugal Estatutos Generales de Barcelona, Mexico, 1585, not mentioned by any Mexican bibliographer.

At the Destailleur sale, which took place in Paris in May, were purchased two exceedingly rare editions of Rabelais, the "Oeuvres," Paris, 1555, and the "Vie inestimable du Grand Gargantua," Lyons, 1537; the former in a beautiful binding, with the ciphers of Louis XIII. and Anne of Austria. These, with the subsequent acquisition of an almost unique copy of the edition of the "Oeuvres" printed at Troyes in 1556, have greatly enriched the Museum collection of the works of Rabelais, previously very defective. On the same occasion were bought "Libro de letras historiadas," [Zaragoza, 1555], said to be the only early Spanish book containing a Dance of Death; Boyer de Nîmes, Histoire des Caricatures de la révolte des Français, Paris, 1792, rare and unfinished, having been interrupted by the progress of the Revolution; and unique and most beautiful vellum copies of Amyot's translation of Longus's Daphnis and Chloe, Paris, 1803, and of Pascal's works, Paris, 1803; both with numerous plates inserted, and the Longus accompanied by the original edition, also on vellum, of the fragment discovered by Courier in the Laurentian Library. The collection of Pascal's works in the Museum has also received a most important accession by the purchase of a set of the original issues of the "Lettres Provinciales," clandestinely printed, brought together under a collective titlepage, bearing the imprint, Cologne, 1657, and accompanied in this copy by a collation of all the original editions made by the late M. J. H. Basse.

Among other remarkable foreign books obtained during the year are to be enumerated Lyden Jhesu Christi and Leven

Jhesu Christi, with curious woodcuts, both executed at Amsterdam about 1494; and probably the first books printed in that city; Christi Passion usz den vier Evangelisten, Urse Graf, Strasburg, 1506, with 26 fine plates; Glanvilla, De proprietatibus rerum, printed at Lyons by Petrus Ungarus, in 1482, the only known production of this printer; Dialogus Creaturarum, an undescribed edition, with woodcuts, printed in the Netherlands about 1485; Bartholus de Saxo Ferrato super Infortiato, Vindelinus de Spira, Venice, 1471, fine copy in the original stamped binding, with portion of a chain attached; an early French translation of Seneca, "Les Euvres," Paris, about 1501; the second edition of Euclid's Elements, Vicenza, 1491; Pragmaticas of Ferdinand and Isabella, Seville, 1522; Don Belianis de Grecia, Parts 1 and 2, the second edition, printed at Estella, and published at Medina del Campo, 1564; Olaus Magnus, Opera Breve, Venice, 1532, an Italian version of Olaus's description of the northern regions of Europe, with map, the only known copy; Ludus Diane in modum Comœdiæ coram Maximiliano Rhomanorum rege, Nuremberg, 1500, with curious music; Alciatus, Emblemata, 1531, the first edition; Luther's Latin version of Deuteronomy, 1525; Calvin, Confession et simple exposition de la vraye foi, Geneva, 1566; four anonymous Unitarian tracts published in Hungary and Transylvania, between 1560 and 1570, by the Reformer Francis Blandrata, none of whose twenty-seven works have hitherto been possessed by the Museum in the original editions; Decada de la Passion, by Juan Coloma, Cagliari, 1576, one of the earliest books printed in Sardinia.

No considerable addition has been made to the collection of Bibles, but the following interesting liturgies have been obtained, in addition to those already enumerated among the principal acquisitions of the year: the Salamanca Manual, 1532; the Zaragoza Missal, 1552; Hours in the Spanish vernacular, 1550 and 1552; Officium Hebdomadæ Sanctæ, Venice, 1522, printed on coloured paper; Cerimonial y Rubricas Generales, translated by Juan Ozcariz, Mexico, 1579, exceedingly rare; Agenda Moguntinæ Ecclesiæ, undated, but posterior to the death of Archbishop Diether von Isenburg in 1482; and an Armenian Lectionary, Venice, 1582. Remarkable acquisitions have also been made of the original editions of memorable Papal Bulls, as follows: that of Julius II., of 7th October 1506, deposing Giovanni Bentivoglio, tyrant of Bologna, not in the Bullarium; that of Leo X., of 12th June 1517, known as the Bulla Concordiæ, for composing disputes in the Order of St. Francis, printed on vellum, and probably unique in this state, not in the Bullarium; that of Paul III., of 10th July 1537, providing for the religious instruction of the Indians in Spanish America, not in the Bullarium; and that of Pius IV., 23rd August 1565, conceding, among other immunities, special indulgences to courtesans who

who should build in the Borgo Pio, probably unique as an original copy, and only published with omissions in the Bullarium. A collection of 195 original editions of Papal Bulls, mostly of Pius IV. and Pius V., has also been purchased; besides ten Papal indulgences printed in England in the fifteenth and sixteenth centuries.

The principal additions in early English literature have been Sir Anthony Sherley, Wit's New Dyall, 1604, only one other copy of which is known; Richard Nugent, Cynthia, 1604, only two or three other copies known; Robert Greene, The Royal Exchange, 1590, and Morando, the Tritameron of Love, by the same author, both of extreme rarity; Turberville, Epitaphs, Epigrams, Songs and Sonnets, 1570; Palingenius, Zodiacus Vitæ, translated by Googe, 1560; Guevara, Dispraise of the Life of a Courtier, 1548; Richard Bonner, Treatise of the Sacrament, 1548; Brentius, Exposition upon the Sixth Chapter of Saynte John, 1551; Summe of Christianitie [1560?]; Rastell, A Replie against an Answer falsely entitled a Defence of the Truth, Antwerp, 1565; Veron, A Strong Defence of the Maryinge of Prestes [1565?]; Batman, Three Graces [1580?]; Palmerin of England, two parts, 1603—1609.

To these may be added two early Latin productions of the English press, Grammatice Sulpitiana, Pynson, 1505; and Dedicus, Quæstiones moralissimæ super libros Ethicorum, Oxford, 1518, of which only three other copies are known, all in university or college libraries. Other acquisitions of special interest are Cipriano Valera, Dos Tratados, Arnold Hatfield, London, 1588, first edition; and the first, though surreptitious, edition of Sir Thomas Browne's Religio Medici, 1642. The only other copy known is in the Bodleian Library, and from it the deficiencies of the Museum copy have been supplied in photographic facsimile.

Among interesting purchases of modern English books may be mentioned the first edition of Shelley's Hellas; Cardinal Newman's juvenile poem, St. Bartholomew's Eve, Oxford, 1821, withdrawn from circulation and extremely scarce; Beddoes's Improvisatore, Oxford, 1822, suppressed and destroyed by the author; George Darley's Nepenthe, privately printed, and so rare that the only account to be found of it is that in Miss Mitford's Recollections of a Literary Life; the prospectus of Blake's engraving of his picture of the Canterbury Pilgrims, sold at the exhibition of this work in 1809, and now of the greatest rarity; privately-printed adaptations of Wilkie Collins's novels for dramatic representation, made by the author himself.

The literary curiosities purchased during the year include an unusual number of books enriched with valuable autograph notes. The most remarkable is a French translation of the Prussian General Bülow's military criticism on the campaigns of 1800, copiously annotated by Napoleon, to whom, during his captivity at St. Helena, it was lent by

Captain, afterwards General, Emmett. The notes were published in 1833. A copy of Erasmus's Greek Testament, Paris, 1546, with several autographs and annotations of Ponet, Bishop of Winchester, and Sandys, afterwards Archbishop of York, is a relic of the Marian persecution, both having taken refuge at Strasburg, where Ponet died, and where the book must have come into the possession of his companion in exile. Another interesting purchase is Lord Grenville's copy of his translations in Latin verse, with letters from Lord Holland, Rogers, and others inserted. Among similar acquisitions are to be named the original edition of Sarpi's History of the Council of Trent, with MS. notes by Roger Twysden; the second edition of Lord Clarendon's History, with MS. notes accusing the editors of garbling the text, which seem to have been written by a member of the St. John family; Samuel Clarke's "Scripture Justification," 1698, with copious MS. notes by Isaac Watts; Stillingfleet's Answer to Locke, with the autograph of Locke himself; Walter's Voyage of Lord Anson, with important MS. annotations by J. E. Naish, a person evidently well acquainted with the navigation and commerce of the Eastern seas; White's Selborne, with MS. notes by Coleridge, interesting as proofs of his accurate observation of nature; proof sheets of several of Churchill's poems, with MS. notes and corrections by him and Wilkes; and Thomson's Seasons, illustrated with 13 water-colour drawings by J. Powell. Among other curiosities the most important are a copy and proof of the Greek History of Ancient Egypt forged in the name of the Greek historian Uranius by Constantine Simonides, printed at the Oxford University Press, in 1856, for Professor Dindorf, of Berlin, but immediately recalled and suppressed. Bound up with these are several rare pamphlets relating to the transaction, and a curious letter in Greek from Simonides to Mr. Coxe, the Bodleian Librarian. Also, a remarkably fine illustrated Corean work, containing a description of the ceremonies performed on the occasion of the Queen of Corea being "capped," in the year 1869.

Of collections on special subjects, excluding those to be described under the head of donations, the most important are the collection of correspondence, reports, &c., relating to the Caxton Exhibition of 1877, formed by the late William Blades, Esq., the biographer of Caxton, accompanied by the large paper copy of the Exhibition Catalogue, copiously interleaved with engravings, facsimiles of the Caxton press, and MS. documents; about 2,500 tracts relating to Yorkshire, purchased at the sale of the library of the late Edward Hailstone, Esq., nearly 700 of which have been presented as duplicates to the Leeds Free Library; and upwards of 1,000 tracts chiefly relating to Italian mineral waters, purchased from George Jervis, Esq., Director of the Turin Industrial Museum. Purchases of this description also include a very interesting

interesting collection of Yorkshire broadside ballads, formed by the late Mr. Carr, of York; Quaker tracts; West Indian pamphlets; Icelandic books; Romansch books; books relating to Madagascar; Armenian ecclesiastical works of the seventeenth and eighteenth centuries; modern Persian books, principally of Shiah theology and philosophy; 92 Afghan books, purchased from Professor James Darmesteter, comprising nearly all the printed Afghan literature not previously in the Museum; a collection of 112 Chinese works in 1,210 volumes; priced auction catalogues; playbills and other local documents relating to Newcastle-upon-Tyne; files of the Batavia Courant, commencing before the English conquest in 1811; and of the Γενικη Ἐφημεριϛ, the official journal of the Greek Provisional Government, from the autumn of 1825 until the end of 1832.

Donations and Bequests.—These have been unusually numerous and valuable. By far the most important, in a pecuniary point of view, is the vast collection of postage stamps, with cards, envelopes, telegraph forms, and similar objects relating to postal and telegraphic communication, bequeathed by the late Thomas Keay Tapling, Esq., M.P. for South Leicestershire. The present selling value of this unique collection, the equal of which is little likely to be formed again, has been estimated at 50,000 *l.*, and it is, at all events, certain that no benefaction approaching it in this respect has been received by the Department of Printed Books since the bequest of the Grenville Library, more than 40 years ago. The Department has also to acknowledge a very extensive and important collection of books, pamphlets, and reports relating chiefly to economic and sanitary matters, formed by the late Sir Edwin Chadwick, K.C.B., and presented, in accordance with his wish, by his son, Osbert Chadwick, Esq.; an extensive collection of colonial newspapers, presented by the Royal Colonial Institute; 120 volumes of New Zealand State Papers, presented by the New Zealand Government; rare Armenian books, presented by the Rev. Johannes Catchieck, of Calcutta; "Mémoire à consulter pour son altesse le Prince Napoléon Louis Bonaparte contre le Trésor Public," respecting the arrears of his mother's dotation, privately printed at London in 1848, and afterwards withdrawn, presented by George P. Cooke, Esq.; a copy of the second edition of Pugin's "Contrasts, or a Parallel between the Architecture of the fifteenth and nineteenth centuries," enriched with Pugin's MS. preface to the first edition, and nine additional drawings by him, bequeathed by the late John Drayton Wyatt, Esq.; reproduction of an ancient Glagolitic Missal, presented by the Austrian Government; drawings from architectural monuments in the State of Jeypur, Rajputana, presented by his Highness the Maharajah; the Adi Granth, or sacred book of the Sikhs, with a lectern, draperies, and other accompaniments, which have been transferred to the Ethnographical

Collection, where the book will be exhibited along with them, presented by the Dárbar of the State of Zeend, Northern India.

The additions to the collection of Music have been of considerable importance. Chief among them is a copy of the "Syntagma Musicum" of Michael Prætorius, a book of the utmost importance in the history of music, and one which has long been a desideratum for the Library, as it is believed that only four complete copies of it are in the United Kingdom, three of them in private hands. Another interesting acquisition is a first proof of the second part of J. S. Bach's "Clavier-Uebung," containing many minute corrections and alterations in the composer's handwriting. A comparison of this proof with a later addition of the "Clavier-Uebung," which was acquired at the same time, has shown that part of the work had been entirely re-engraved before it assumed its ultimate form.

At the Heredia sale some very important acquisitions were made. The most remarkable is the "Arte de Canto llano Lux Videntis dicha" of Bartolomeo de Molina (Valladolid, 1506), which is probably the earliest technical treatise on music extant in Spanish. The other musical works purchased at this sale are as follows: "Libro de Musica de Vihuela, intitolado Silva de Sirenas," by E. de Valderravano (Valladolid, 1547); "Libro de Musica de Vihuela," by D. Pisador (Salamanca, 1552); "Libro de Musica para Vihuela, intitolado Orphenica Lyra," by M. de Fuenllana (Seville, 1554); and "Libro llamado Arte de tañer Fantasia, assi para Tecla como para Vihuela," by T. de Sancta Maria (Valladolid, 1565). All are of the greatest rarity, and the "Orphenica Lyra" and "Silva de Sirenas" possess an additional interest, as containing many lyrics not to be found in the Cancioneros.

Among other valuable acquisitions the following may be mentioned: a copy of the "Compendium Musices" (Venice, 1509); the "Regula Musice" of Bonaventura de Brixia (Venice, 1520); the "Introitus et Alleluia" of Placidius Falconius (Venice, 1575), an unusually large specimen of music-printing from the Gardano press; the four books of "Laudi Spirituali," published by the Congregation of the Oratory at Rome in 1589; four books of Motets (1616–19), by Vincenzo Ugolini; and a complete set of the Litanies (1682), by G. P. Colonna.

R. Garnett.

Sub-Department of Maps, Charts, Plans, and Topographical Drawings.

Professor Douglas has the honour to lay before the Trustees the following Report of Progress made in the work of Cataloguing and Arranging Maps, Charts, &c., in the Sub-Department of Maps, together with an Account of the Accessions made during the year 1891.

I.—*Cataloguing and Arrangement.*

4,000 titles (including both main titles and cross references) were written for the Catalogue of Maps and Charts during the year.

Press-marks were given to 622 Maps, Charts, and Atlases, and to 3,532 titles; and 2,343 slips were written for the Hand-Catalogue.

3,151 title-slips of Accessions (Parts XVI., XVII., and XVIII.) were sent to the printer, and 22¼ sheets of proof of Accessions were collated, sent for press, and printed off.

379 Maps, in 3,111 sheets, and 42 Atlases were sent to be mounted, bound, and lettered; and 76 volumes and 521 Maps have been returned; of the former, 62 were bound, 11 lettered, and 3 repaired; of the latter, 403 were mounted on jaconet and union, and 118 on cards.

95 sheets of the English Admiralty Charts, 574 sheets of the "Hydrographie Française," 52 sheets of the English 1-inch Ordnance Survey, and 3 sheets of Counties, on the scale of 2 miles to 1 inch, have been mounted on union; 13 volumes of the Ordnance Survey of Towns, 2 volumes of the 6-inch Ordnance Survey, and 35 volumes of the 25-inch Ordnance Survey have been bound.

2,570 printed Accession titles (Parts XVI. and XVII.) have been incorporated into three copies of the printed Catalogue of Maps.

The number of Atlases returned to their shelves from the Reading Room was 989, the number of Maps 1,829, making a total of 2,818.

The number of stamps impressed on Maps obtained by purchase was 1,579, on those received by presentation 306, making a total of 1,885.

Besides the students who have consulted Maps and Atlases in the Reading Room during the year, 162 visitors have been admitted to the Map Room for the purpose of geographical research.

II.—*Additions.*

264 Maps, in 2,927 sheets, 10 Atlases, and 3 parts of Atlases have been received under the Copyright Act; 35 Atlases, and 270 Maps, in 854 sheets, have been obtained by purchase;

7 volumes, and 122 Maps and Charts, in 267 sheets, have been presented.

Among the more interesting acquisitions may be mentioned:—

"Hic vides Orbis imaginē." A. Lafreri exc. A copper-plate reproduction of Oronce Finé's double-cordiform projection of the World, as adopted by Mercator. This is a copy of the earliest impression from the plate as engraved and published by A. Lafreri, *circa* 1550. The second impression, which is also in the Map Collection, was issued by Ant. Sal[amanca], *circa* 1555.

Theatre, oft Toonneel des Aertbodems; by A. Ortelius. Ghedruckt by Gielis van Diest; Antwerpen, 1571, folio. This, the first Dutch edition of the "Theatrum," is exceedingly rare, the only other copy known being that in the Plantin Museum at Antwerp. *Cf.* Hessels, p. xxvii, D.

"Estland" and "Frisland." These two remarkable copper-plate maps of the Shetland and Faroe Islands probably formed the basis of the famous Zeno Map of 1558, the genesis of which is still the subject of research and controversy amongst cartographers. The two maps were probably engraved and published separately at Venice, *circa* 1550-55, before their insertion into Ant. Lafreri's "Geografia. Tavole moderne di geografia." Roma [1556–72]. With the exception of a copy of the impression "Frisland: Petri de Nobilibus formis" [Rome ? 1560 ?], already in the Map Collection (S. 10. 1. 156), the only other known examples of either of these two rare maps are those in Baron A. E. Nordenskiöld's copy of the above-mentioned Atlas of Lafreri.

The following three facsimiles of maps, by Gerard Mercator, preserved in the "Breslauer Stadtbibliothek;" the originals of the first two of which maps are unique:—

Europæ descriptio, per G. Mercatorem. Duysburgi, Anno Dñi. 1554. In 15 sheets, from the original copy in 6 sheets.

Angliæ, Scotiæ & Hiberniæ nova descriptio. Duysburgi, 1564. In 8 sheets.

Nova et aucta Orbis Terræ descriptio, ad usum navigantium emendatè accommodata. Duysburgi, 1569. In 18 sheets, from the original in 4 sheets.

Disegno dell'armate Christiana et Turchesca nel quale si rappresenta il conflitto . . . seguito il di 7 d 8bre, 1571, tra la bocca del golfo di Lepanto. [By] Horatio de Marii Tigrino. Michele Tramezino; Roma, 1572. This fine print, 28 inches by 35$\frac{3}{4}$ inches, of the Battle of Lepanto, was apparently unknown to Drugulin.

Robert K. Douglas.

Department of Manuscripts.

1. *Catalogue of Romances.*—The preparation of the second volume has been continued. Æsopic Fables, Poems on Reynard the Fox, Visions of Heaven and Hell, and other legends, contained in thirty-three MSS., have been described. Proof sheets and revises, S—2 E., Vol. II., have been read for press.

2. *Catalogue of Spanish Manuscripts.*—The fourth volume, which will include the Index, is still in progress.

3. *Catalogue of Irish Manuscripts.*—Of the Catalogue prepared by Mr. S. H. O'Grady, Sheets 2 G—2 R have been sent to the printers and revised.

4. *Catalogue of Music.*—Articles contained in forty-seven MSS. have been described. Slips descriptive of acquisitions in the years 1889–1891 have been added to the Catalogue. The list of composers has been kept up.

5. *Catalogue of Additions.*—The Catalogue of Additions for 1890 has been copied and transferred sevenfold, bound and issued. The Additional MSS. 33,995–34,118, acquired in the year 1891, have been described and indexed.

Two hundred and fifty-eight MSS. of the Stowe Collection have been described.

The acquisitions of the year have been entered in the registers.

6. *Catalogues of Charters, Rolls, and Seals.*—The final revision for the press of the General Index of names and subjects in the several collections of Charters and Rolls acquired before the year 1882 is in progress.

Additional Charters and Rolls 26,725–27,004, acquired in 1881; 28,561–28,656, acquired in 1886; 28,657–29,258, and 29,673–29,855, acquired in 1887, have been described.

Additional Charters and Rolls 37,378, acquired in the year 1890; and 37,379–37,874, acquired in 1891, have been arranged and numbered.

Slip-descriptions of additional Charters and Rolls 26,025–28,523, forming Vol. IX. of the Catalogue of Additional Charters, have been bound and placed in the Students' Room in continuation of the series.

The preparation of the fair copy for the second volume of the Catalogue of Seals has been continued. The descriptions of Heraldic Seals A—O have been revised and sent to the printer.

One hundred and ninety-three detached Seals, Bullæ, and Casts have been arranged and registered.

7. *Catalogue of Papyri.*—Sheets N—R of the Catalogue have been revised. Two editions of Papyrus CXXXI. *verso* (Ἀθηναίων πολιτεία) have been printed and issued, and a third has been prepared. The volume of "Classical Texts from

Papyri in the British Museum," comprising portions of the works of Homer, Trypho, Isocrates, Demosthenes, Hyperides, and Herodas, has been printed.

Fourteen Papyri newly acquired have been transcribed.

8. *Arrangement of Papers.*—Additional MSS. 33,974, 33,975, 33,984, 33,998, 34,009, 34,046–34,048, 34,061–34,068, 34,078, 34,098–34,102, 34,109, have been arranged.

9. *Class Catalogue.*—The slips of the *List of Additions*, 1882–1887, relating to English and Foreign Private Correspondence, Single and Collected State Papers and Correspondence, Treaties, and Passports, have been arranged and inserted in their respective volumes.

10. *Exhibitions.*—The Aristotle Papyrus has been exhibited. A selection of Oriental Manuscripts was prepared and exhibited to the Statutory Ninth Congress of Orientalists on the evening of 1st September.

11. *Binding, etc.*—Three hundred and sixty-four MSS. recently acquired, and one hundred and seventy-eight MSS. of the old collections, have been bound or repaired.

One hundred and forty-one Stowe MSS. have been bound.

Twenty-seven Papyri have been mounted and glazed, and two placed in solander cases.

Eleven Charters and Rolls have been repaired.

Forty-four Catalogues and Registers, and fifty-six printed Books of Reference, have been bound or repaired.

Two hundred Seals have been repaired.

12. *Verification.*—The several collections have been verified by the shelf-lists. One new hand-list and one new shelf-list have been made.

13. *Miscellaneous.*—Six hundred and thirty-two MSS. have been placed and entered in the hand-lists and shelf-lists.

Three hundred and thirteen Charters and Rolls, and one hundred and ninety-three Seals, have been numbered and placed.

Eight hundred and ninety-five MSS. and Printed Books have been stamped, with a total of 28,946 impressions.

Eight hundred and twenty-nine MSS. have been folio'd, containing 150,357 folios.

The number of MSS. delivered in the Reading Room is 2,556; and of those consulted in the Department, 26,350.

The number of Charters, Rolls, and Seals delivered to readers is 1,452.

The number of Students working in the Department during the year is 8,257.

Four hundred and thirty-three visitors have inspected the Magna Carta.

Acquisitions.—

Acquisitions.—The numbers of Manuscripts and Documents acquired during the year are,—

General Collections of MSS.	164
Rolls and Charters	296
Detached Seals and Casts	193
Papyri	73

Among them are:—

A large number of accompts and other documents in Greek, written on papyrus; first and third centuries.

Fragments of letters, etc., in Greek, written on papyrus; third century. *Presented by Colonel John Evans.*

Two leases, imperfect, in Greek, written on papyrus; sixth century.

Portions of waxed tablets, containing notes of business transactions in Greek, inscribed with a stylus, of the second century.

The Four Gospels, in Greek; two copies, 12th century; vellum.

An Evangelistarium, or Gospel Lessons for the year, in Greek, 12th century; vellum.

A large volume of ecclesiastical canons, in Greek, with theological, liturgical, and historical pieces, and letters bearing on the relations between the Eastern and Western Churches in the 11th century; made up of two MSS., 12th and 15th centuries; vellum.

Charter, in Latin, of Berengarius, King of Italy, granting land at Verona, A.D. 913; with monogram and fine seal; vellum.

The Topographia Hibernica of Giraldus Cambrensis: an imperfect copy, of the 13th century, formerly belonging to Sir James Ware, the Irish antiquary; vellum.

Euclid's Geometry, translated into Latin by Adelard of Bath, with figures, 13th century; with a brief Latin chronicle of English history from 1066 to 1294, etc.; vellum.

A collection of Exempla, or Latin Tales for the use of preachers; 14th century; vellum.

Religious poems in English, including the Mirror of Life by William of Nassyngton, and the Prick of Conscience by Richard Rolle, of Hampole; late 14th century; vellum.

Theological Tracts in English, including "The Chastising of God's Children" and "Meditacio Pauperis," by Walter Hylton; early 15th century; vellum.

A large volume of French romances, etc., in verse, known as the "Spalding MS.," containing a Chanson de Geste on the first Crusade (known only in one other MS.), the "Roman d'Énéas," the "Roman de Thèbes," an allegorical poem entitled "Le Songe Vert" (otherwise unknown), and the "Ordène de Chevalerie," or instructions in chivalry given by Hue de

Tabarie to Saladin; written in England, about A.D. 1400, and bearing in the illuminated borders the arms of Henry Spencer, Bishop of Norwich (1370–1406); vellum.

"The Parliament of the Three Ages," an allegorical poem (imperfect) in alliterative verse, the personages being Age, Middle-eld, and Youth; 15th century.

Epitome in Latin verse of the Summa of S. Raymond de Pennaforti, with a tract on canon-law, etc.; 15th century. *Presented by Professor George Stephens, of Copenhagen.*

St. Patrick's Purgatory, the Mirror of the Church of St. Edmund of Pontigny, a collection of tales by John Hoveden, and other Latin tracts; 15th century; vellum.

A collection of Medical Treatises, in Latin, including the "Rosula Medicinæ" of John de Gatesdene, with recipes and charms in English; 15th century; vellum.

A Medical Miscellany of translations and extracts from various authors, apparently compiled for one Master William Somers; 15th century.

Two Short Tales in Irish, with a fragment of the Irish version of Sir John Mandeville's Travels and other pieces; 15th century; vellum.

A Calendar, in Latin, of Dominican use, written and illuminated in France in the 14th century, and having obits inserted of kings and nobles of Scotland down to 1415; belonging in 1549 to a hospital at Aberdeen; vellum.

Book of Hours, in Latin; beautifully written and illuminated by an Italian artist late in the 15th century, apparently for a lady named Esmeralda, living in or near Perugia; vellum.

Drawings of military engines, and of machines and implements of all kinds, following Francesco di Giorgio Martini of Siena, with tracts and notes, in Italian, on hydrostatics, Greek fire, the use of pontoons and battering-rams, etc.; early 16th century.

Drawings of Egyptian, Etruscan, and Roman antiquities, by Edward Dodwell, F.S.A.; *circa* 1825–1827. Four volumes.

"Notes and Views in Egypt and Nubia," by Edw. Will. Lane, 1825—1828, being the original MS. of his unpublished "Description of Egypt." Three volumes of text and six of drawings, the latter being chiefly made by the help of the camera lucida, and remarkable for their extreme delicacy and finish.

Catalogue of the "Towneleian Marbles," or antiquities collected by Charles Towneley; *circa* 1805. *Presented by Spencer George Perceval, Esq.*

Bond, in Latin, of the Mayor of Plymouth to observe the treaty of commerce lately concluded between Henry VII. and Philip, Archduke of Austria, Duke of Burgundy, 24th March, 1495 [6]; vellum; with fine impressions of the seals of the borough and mayor.

Books of Returns made by the Major Generals and their deputies of suspected persons in the several military districts, of

of persons visiting London from the country and abroad, and of persons residing in London, Westminster, and Middlesex; 1655–1657. Seven volumes.

Correspondence of Sir Bernard Gascoigne or Guasconi, Envoy to Vienna in 1672–3, to negotiate a marriage for James Duke of York; 1657–1674.

Journal of the invasion of England by William, Prince of Orange, in 1688, with twenty coloured maps giving the route and nightly quarters from Tor Bay to London.

Letters addressed to Sir William Dutton Colt, Envoy to Hanover and Zell, by British representatives at other Courts and by Under-Secretaries of State, 1690–1693; with newsletters to the same from London, the camps in Flanders, etc., June, 1692–May, 1693.

Subscriptions of the clergy of the see of Bath and Wells to the Thirty-nine Articles; 1571–1583.

A collection of depositions, reports, and other papers, in Spanish, relative to a Royal Commission to Joan de Ovando, Inquisitor, to examine into the condition, temporal and spiritual, of the natives of the Spanish Indies; 1567–1568. *Presented by the Earl of Northbrook.*

"Jocasta," a tragedy, translated from the Phœnissæ of Euripides by George Gascoigne and Francis Kynwelmershe in 1566, with Epilogue by Christopher Yelverton; 16th century.

A volume of poems, by Nicholas Breton and others; 16th and 17th centuries.

Poem, by Robert Marston, on the life and death of Thomas Grey, Lord Grey de Wilton, who died in the Tower, 5th July, 1614; a copy written in or before 1621.

"The Shepherd's Holiday," an autograph pastoral play by Sir William Denny, Bart.; 1651.

"Of Love," a tract by Algernon Sidney, in his own hand; 17th century.

"Aids to Reflection," by S. T. Coleridge; the printed edition, 1825, with autograph notes and additions. *Bequeathed by Miss Mary Stuart.*

The works of "George Eliot," being the autograph copies of the novels and poems of Marian Evans as sent to the printers, with a dedicatory inscription in each, except the last, to George Henry Lewes; 1859–1879. *Bequeathed by the Author.*

"Aristotle," by George Henry Lewes, being the autograph copy as sent to the printers, with a dedicatory inscription to Marian Evans; 1864. *Presented by Mrs. Charles Lewes.*

"The Dream of Gerontius," by Cardinal J. H. Newman: the copy sent to the press, in the hand of an amanuensis, with autograph corrections and instructions; 1866.

Letters from S. T. Coleridge (87), W. Wordsworth (18), and R. Southey (13), to Daniel Stuart, editor of the "Morning Post" and the "Courier"; 1799–1838. *Bequeathed by Miss Mary Stuart; to be withheld from public use for ten years.*

Forty-two letters of John Keats to his sister Fanny; 1817–1820.

1820. *Presented by Señorita Rosa Llanos Keats, of Madrid, daughter of Fanny Keats.*

A large collection of autograph letters, etc., English and foreign, chiefly of actors, artists, authors, and musicians; 16th–19th centuries. Five volumes. *Bequeathed by Andrew George Kurtz, Esq., of Liverpool.*

Seventy-nine letters from Dorothy Osborne, daughter of Sir Peter Osborne, to her future husband, Sir William Temple; 1652–1654.

Letters addressed to Sir Joseph Banks, Bart., P.R.S., chiefly on Botany and other subjects of Natural History; 1765–1820. Six volumes. *Presented by Spencer George Perceval, Esq.*

Forty-one letters from Sir William Hamilton, Minister at Naples, to Sir Joseph Banks, on scientific subjects, chiefly with regard to volcanoes; 1778–1803.

Correspondence of James Yates with Constantine Simonides and others relative to the forged Papyri in the Mayer Collection; 1849, 1863–1864. *Presented by E. T. Dowson, Esq.*

Diary of the Rev. George Whitefield; February–June, 1736.

Journals of Colonel William Burrard as a volunteer with Lord Crawford in Russia against the Turks in 1738, and on an expedition to the West Indies in 1740.

Journals of travels by Richard Garmston in France, Italy, Switzerland, Holland, and Flanders; 1788–1791.

Transcripts of the parish registers of Stansted Mountfitchet, co. Essex, 1558–1762, made in 1891. *Presented by J. J. Green, Esq.*

Letters and papers relating to co. Kent, 16th–19th centuries, supplementary to the Kent collections of the Rev. Thomas Streatfeild acquired in 1890. *Presented by Mrs. Hanna Streatfeild.*

Accompt-books, in Latin, of the College of St. Mary at Mettingham, co. Suffolk, 1402–1516; with sixty charters relating to the college, many having fine seals.

Accompt-book of the overseers of the Liberty of Paris Garden, in the parish of St. Saviour, Southwark, with numerous entries relating to the Swan Theatre; 1608–16 71.

Reports of the Commissioners of Sewers between Kingston Bridge, co. Surrey, and Ravensbourne, co. Kent, made at Southwark; 1612–1617. Four vellum rolls.

Ten charters, in Latin, relating to Maiden Bradley and other places in co. Wilts, 13th–15th centuries; vellum, with seals.

Papers of the family of Nicholas, of Roundway, in Bishop's Canning, co. Wilts, 1559–1754; with a collection of 157 charters and deeds. *Bequeathed by Commander J. B. B. Collier*, R.N.

Copies of monumental inscriptions, 1622–1859, in the Church and Churchyard of St. Mary's, Swansea.

Maps

Maps and views of various parts of the West Coast of Africa, chiefly by Johan Vingboons; *circa* 1640.

"Deborah," an oratorio by Handel, copied from his own full score; 18th century.

A collection of Italian madrigals and motets, with a few in English; early 17th century.

Latin motets, masses, etc., by various composers; 17th century.

Autograph Latin motets by M. Simonelli, 17th century; and by A. Scarlatti, 1708.

A collection of canons, etc., in score by Italian composers of the 17th and 18th centuries.

Collections of Italian cantatas by various composers; 18th century. Three volumes.

Vocal numbers, in score, of French operas by Lulli, Rameau, Campra, and other composers; middle of 18th century.

Autograph compositions of Muzio Clementi, Samuel Wesley (with letters), and James Hook; 18th and 19th centuries.

Edward Scott.

Department of Oriental Manuscripts.

I.—*Cataloguing and Arrangement.*

The Descriptive List of the MSS. acquired in 1890 has been transcribed for the use of readers. The same MSS. have been entered into the Oriental Register and into the Oriental Inventory.

A Descriptive List of the MSS. acquired in 1891 has been compiled.

Four hundred and seventy-one MSS. have been described in full for the Supplement to the Arabic Catalogue.

Dr. Hörning's Descriptions of Hebrew MSS. have been arranged and revised, and a scheme for the classification of Hebrew MSS. has been prepared.

Two hundred and eighty-eight MSS. have been labelled and sent to the binder.

II.—*Acquisitions.*

The number of MSS. acquired in 1891 was 384, viz., eight by donation and 376 by purchase, as follows :—

Arabic	212
Syriac	55
Chinese	36
Pushtu	31
Persian	27
Hebrew	8
Sanscrit	5
Pali	4
Turkish	2
Burmese	1
Cingalese	1
Japanese	1
Swahili	1
TOTAL	384

The following five important collections have been acquired in the course of the year :—

I. A collection of 66 Arabic MSS., formed in Cairo by the late Edward William Lane, consisting chiefly of rare lexicographical works, and including a copy in 24 large quartos of the Tāj al-'Arūs, the principal source of Mr. Lane's Arabic-English Lexicon.

II. A collection of 205 Arabic and Syriac MSS., secured for the Museum by Mr. E. A. Wallis Budge in El-Kosh, north of Mossul and the neighbourhood, including an Arabic translation of the Chronicle of Michael the Great and copies of rare works of Bar-Hebræus.

III. A large collection of Chinese MSS., formed by a scholar who resided for many years in Peking, and consisting of upwards of a thousand pamphlets containing plays, popular songs, tales, and historical anecdotes.

IV. A collection of 21 Afghan MSS., formed by Major H. G. Raverty in Peshawur, and consisting of rare historical and poetical works in the Pushtu language.

V. A similar collection, formed in India by Professor James Darmesteter, and including rare Diwans and historical works.

Among MSS. acquired from various quarters the most valuable is a large vellum folio containing a considerable portion of the Hebrew Pentateuch, written in a fine archaic character of the tenth century, and consequently earlier by about two centuries than any Hebrew MS. hitherto extant in England.

A valuable

A valuable copy of the Encyclopædia of the Ikhwān-us-Safā, a volume containing the theological works of the founder of the Wahhabi sect, and four Sanscrit MSS., have been presented by Colonel S. B. Miles.

Edward Scott.

Department of Prints and Drawings.

I.—Arrangement and Cataloguing.

An exhibition of original drawings and sketches by artists of various schools and periods, mostly obtained by purchase, bequest, or gift, within the last seven years, has been arranged in 517 frames, and placed in the gallery in the White Building. The exhibition was opened to the public on 2nd March and a guide to it has been issued.

The series of woodcuts, engravings, etchings, and mezzotints exhibited during the last four years in the Second Northern Gallery has been withdrawn in order to make room for collections belonging to the Departments of Oriental and British and Mediæval Antiquities.

A series of duplicate portraits of British admirals has been lent to the Committee of the Royal Naval Exhibition, Chelsea.

The works of the German and Flemish engravers of the fifteenth century have been re-examined, and information derived from the recent researches of Dr. M. Lehrs and others noted upon them.

The second sets of the works of Martin Schongauer and Israhel van Meckenem have been broken up, a portion of the prints being incorporated with the main series, and the rest laid aside as duplicates.

The supplementary collections of engravings by the more important of the Little German Masters have been inserted in the guard-books with the main series; and the unmounted prints by other German artists of the sixteenth century have been arranged in alphabetical order.

The collection of woodcuts by and attributed to Albrecht Dürer has been sorted and re-arranged according to the numbering of Heller.

A large collection of prints after Rubens, acquired during the year, has been incorporated with the old collection, and the whole re-arranged in accordance with the classification adopted by Max Rooses in his "L'Œuvre de P. P. Rubens."

The collection of prints after Sir Joshua Reynolds has been re-arranged according to Dr. Hamilton's catalogue, and a working index of the collection has been prepared.

The collection of mezzotint engravings by David Lucas has been sorted and arranged.

The works of James Gillray have been re-arranged, with the numbering of Wright and Evans's catalogue, and as far as possible in chronological order.

The works of Thomas Rowlandson have been removed from the general collection of satirical prints, marked off in Grego's catalogue, and arranged as a separate series.

The French and German royal portraits have been re-arranged in fourteen portfolios.

The final arrangement of the general collection of English portraits has been completed, and it is now contained in ninety-six portfolios.

The large engravings belonging to foreign schools have been arranged in the new portfolios provided for the purpose.

All recently acquired books of prints and books of reference, including the duplicate volumes transferred from the Department of Printed Books, have been indexed and placed. A portion of the collection of books of reference has been re-arranged in the new presses.

A detailed catalogue of the collection of drawings by Albrecht Dürer has been prepared.

The expanded index of the artists of the Dutch and Flemish schools represented in the Department has been passed for press, printed off, and delivered.

A similar index of the artists of the German School is in course of preparation, and has been nearly completed.

The new general index to the collection of English portraits has been completed.

The preparation of a catalogue of all the English mezzotints contained in the Department has been commenced.

The collection of the works of George Cruikshank, bequeathed by his widow, has been sorted, and the various items identified.

References to Rovinsky's recently published catalogue have been noted on the etchings by Rembrandt.

Lists have been prepared of the contents of the guard-books devoted to large modern prints of different schools.

The new departmental book-plate has been pasted into all books of prints and books of reference, and the press-marks inscribed thereon.

The correction of references in the second copy of the general indexes of artists is in progress.

The preparation of a second copy of the new index to the collection of English portraits has been commenced.

The work of copying the entries in recent volumes of the Register of Acquisitions on separate slips for painter, engraver, and subject has been continued.

One thousand nine hundred and seven drawings, &c., recently acquired,

acquired, have been incorporated with the collections to which they severally belong.

Two thousand one hundred and forty-eight items have been entered in the Register of Acquisitions.

Four thousand four hundred and seventy-six prints, drawings, &c., have been impressed with the departmental stamp and references to the Register.

Six hundred and twenty-five drawings have been placed on sunk mounts, and four hundred and thirty-seven prints mounted in the ordinary manner.

The number of students and visitors admitted to the Print Room during the year ending 31st December 1891 was 5,370.

II.—Additions.

The total number of drawings, prints, &c., acquired during the year was 16,687, of which the following are the most important :—

Italian School.

Drawings.

Anonymous, fifteenth century. A female head, with fantastic helmet; pen and Indian ink.

Bellini, Gentile. The Pope presenting a sword to the Doge of Venice; design for one of the paintings executed in the council hall of the ducal palace, and destroyed in the fire of 1577; pen and Indian ink on vellum; formerly in Lord Mulgrave's collection.

Gambarelli, Antonio (Il Rossellino). Studies for the monument of Cardinal Portogallo, in the church of San Miniato at Florence; pen and Indian ink; formerly in the collection of Sir J. Reynolds.

Giolfino, Niccolo. Rape of Helen of Troy; pen and water-colours.

Engravings.

Niello. Triton and nymph (Passavant, I. 316. 620).

Milanese School, early sixteenth century. A hind reposing on an island (Passavant, G. Campagnola, V. 166. 7).

Florentine School, fifteenth century. The Crucifixion (Passavant, Filippo Lippi, V. 52. 10); first state.

Ballero, G. A Sibyl; after A. Kauffmann, R.A.; proof, with scratched letters.

Francia, Jacopo. Lucretia (Bartsch, XV. 458. 4); undescribed early state, before the clouds.

Mercuri, Paolo. The Virgin and Child, after Correggio; proof before letters.

Toschi, Paolo. Portrait of Comte de Cazes; proof before title.

Prints arranged to illustrate the Works of Painters.

Allegri, Antonio (da Correggio). "Seconda metà della Gloria nella Cupola della Cattedrale di Parma;" No. 26 of the series of plates from the frescoes at Parma; artist's proof.

Cignani, Carlo. "Le Devoir Naturel;" by C. A. Porporati.

Ferretti, Giovanni Domenico. Adventure of Harlequin; four plates; by Bartolozzi.

Giani, Felice. "Rosaspina's Zeichnungschule;" by G. Tomba.

Vecellio, Tiziano. Alphonse d'Avalos, Marquis de Guasto; by J. C. Thévenin.

German School.

Woodcuts.

Cranach, Lucas. Saint John; one of the set of martyrdoms of the Apostles.

Dürer, Albrecht. The Virgin and Child (P. 239); first state.

Engravings.

Beham, Hans Sebald. Melencolia (Aumüller, 157); undescribed early state.

Brun, Franz. Three panels of goldsmith's ornament.

Falck, Jeremias. The Virgin and Child with St. Anne; after A. del Sarto; proof before letters.

Heiss, Elias Christoph. Portrait of Jacobina Bertermann; after Beischlag.

Schongauer, Martin. The Virgin and Child with a parrot (B. 29); second state. The Man of Sorrows (P. 69); second state.

Prints arranged to illustrate the Works of Masters.

Achen, Johannes von. The Holy Family; by E. Bosch.

Chodowiecki, Daniel Nicolaus. "Frédéric II., Roi de Prusse, faisant asseoir en sa présence le Général Ziethen;" R. Sayer, exc.

Dannecker, Heinrich von. Statue of Ariadne; four plates; by F. Nahl.

Schenau, Johann Eleazar. "Amusemens Russes;" by B. L. Henriquez. "La Divineresse" and "L'Avare;" by C. G. Schultze.

Dutch and Flemish Schools.

Drawings.

Chalon, Louis. Landscape with ferry-boats on a river; water-colours.

Dou, Gerard. Portrait of an old woman; fine drawing in black and red chalk.

Hals, Frans (attributed to). Portrait of a man wearing a high-crowned hat; black chalk on blue paper.

Rembrandt. The artist's wife lying in bed; pen sketch; from the Esdaile collection. A lady holding a fan; sketch for the picture at Buckingham Palace; pen and sepia.

Rubens, Peter Paul. Portrait of Justus Lipsius; the original drawing for the engraving by C. Galle; black chalk, pen, and Indian ink.

Schellinks, Willem. Satire on Oliver Cromwell; original design for an engraved broadside; pen and Indian ink.

Etchings.

Fokke, Simon. Funeral of Anne, Princess of Orange; three plates.

Lefebvre, Valentin. Sixteen plates after Paolo Veronese and Titian.

Vinkeles, Reinier. The Drawing Academy at Amsterdam.

Engravings.

Bruyn, Nicolaes de. Adoration of the Magi. The Circumcision.

Claessen, Alart. Apollo and the Muses.

Gole, Jakob. Portrait of Bernard Sommer; mezzotint; proof before all letters.

Saenredam, Jan. Portrait of Johannes von Achen; after P. Isaac.

Vorsterman, Lucas I. Portrait of Desiderius Erasmus; first state, before the monogram.

Wierix, Jan. Portrait of Philip William, Prince of Orange (Alvin, 1995); first state.

Prints arranged to illustrate the Works of Masters.

Dou, Gerard. "L'Étude au Village;" by P. A. Tardieu.

Goltzius, Hendrik. "Jugement de Paris;" by P. L. Surugue.

Holsteyn, Cornelis. The Elements; by M. Mosyn; four plates.

Peters, Frans Lucas. "Le Vigneron Galant;" by C. Le Vasseur.

Rubens, Peter Paul. A collection of 797 prints, by P. de Bailliu, B. & S. Bolswert, P. Clouwet, R. Earlom, R. Eynhoudts, C. Galle, V. Green, C. Lauwers, W. de Leeuw, A.

Lommelin, G. A. Lorenzini, Marinus, W. Pether, P. Pontius, J. J. Preisler, F. Ragot, L. Vorstermann, H. Witdoeck, and others.

Ter Borch, Gerard. The Letter; by B. L. Henriquez.

Weenix, Jan. "La Partie de Plaisir;" by N. de Launay.

French School.

Drawings.

Watteau, Antoine. Group of a lady and two children; red and black chalk; engraved in Watteau's Works, Nos. 228 and 238. *Presented by G. S. Joseph, Esq.* A girl seated on the ground; black and red chalk. Seated figure of a beggar woman; black and red chalk. Sheet of studies; figure of a standard bearer, etc.; red chalk. A lady seated, with a group of sculpture; red chalk. Studies; figure of a waiter, arms of a flute-player, etc.; red chalk. Figure of an oriental servant; black and red chalk. Three studies of male figures, dancing; red chalk. All from the collection of Miss James.

Engravings.

Blanchard, Auguste. Portrait of George Washington; after J. Trumbull.

Cochin, Charles Nicolas II. Portrait of Jacques Sarazin l'ainé; proof before letters.

Edelinck, Gérard. Portrait of Jean Baptiste Colbert; after P. Mignard (D. 171). Portrait of Jean Charles Parent; after J. Tortebat (D. 287). Portrait of Count Kaunitz (D. 228).

Ficquet, Etienne. Portrait of Jean François Regnard; after H. Rigaud.

Huret, Gregoire. Triumph of Charles Emanuel I., Duke of Savoy; proof before the inscription.

Jacquard, Antoine de. Six medallions with groups of children. Ten medallions with subjects from Ovid's "Metamorphoses." Five plates of ornaments for sword-hilts.

Le Clerc, Sebastien I. The Battles of Alexander; after C. Le Brun; six plates.

Le Vasseur, Jean Charles. "L'Amour Paternel;" after E. Aubry.

Lignon, Etienne Frédéric. Portrait of the Prince of Orange; after J. Odevaere; proof before letters, with the arms.

Nanteuil, Robert. Portrait of Cardinal Mazarin (D. 179). Portrait of Cardinal de Bouillon (D. 52); first state. Portrait of Charles, Duc de Chaulnes (D. 64). Portrait of Madame de Gillier (D. 103). Portrait of Anne, Duchesse de Nemours (D. 200). Portrait of Cardinal Mazarin (undescribed); unfinished proof.

Poilly,

Poilly, François de. Portrait of Philippe, Duc d'Orleans; after J. Nocret; with an early trial proof.

Saint Aubin, Augustin de. Portrait of Rodolphe Perronet; after C. N. Cochin. Duc de Chartres and his family; after C. Le Peintre; proof with the artists' names only.

Voyez, Nicolas Joseph. "Carême-Prenant;" after Schenau.

Prints arranged to illustrate the Works of Masters.

Aubry, Etienne. "La Bergère des Alpes;" by J. J. Le Veau. "Les Amans Curieux;" by J. C. Le Vasseur. "La Bonté Maternelle;" by Blot.

Canot, Philippe. "Le Maitre de Danse;" by J. P. Le Bas.

Carmontelle, Louis. "Pas de Deux par M. Dauberval et Mlle. Allard;" by J. B. Tilliard.

Chardin, Charles Baptiste. "La Pourvoieuse;" by Bernard Lépicié.

Cochin, Charles Nicolas. "La Justice protège les Arts;" by Demarteau.

Courbet, Gustave. "La Sieste," the picture belonging to the City of Paris; etching by H. Lefort. *Presented by M. le Préfet de la Seine, Paris.*

Coypel, Charles Antoine. "Made. de * * * en habit de bal;" by L. Surugue.

Eisen, Charles. "La Dame de Charité;" by N. J. Voyez. "Le Paysan Solliciteur;" by C. F. Macret. A child seated before a death's head; by L. Bonnet.

Flameng, François. Aldus in his printing establishment at Venice showing Grolier some book bindings; by L. Flameng; artist's proof. *Presented by S. P. Avery, Esq.*

Huguet, Jean Charles. "Partie de l'Incendie de la Ville de Rennes;" by Thomassin.

Lavreince, Nicolas. "Qu'en dit l'Abbé?" and "Le Billet Doux;" by N. de Launay.

Le Clerc, Sebastien II. The Senses; four plates; by E. Jeaurat. "L'Hermite en Queste;" anonymous. "L'Enfant Prodigue exigeant sa Légitime;" by R. Gaillard.

Leleux, Adolphe. "Le Mot d'Ordre," the picture in the Luxembourg; etching by E. Salmon. *Presented by M. le Préfet de la Seine, Paris.*

Le Nain. "The Duty of a Parent;" by P. W. Tomkins.

Préault. A set of twenty-five views of Constantinople and the Bosphorus; by B. Piringer; aquatints.

Vernet, Joseph. "Vue proche du Mont-Ferrat;" by J. J. Le Veau. The Four Times of the Day; by L. J. Cathelin.

ARTISTS OF FOREIGN SCHOOLS WORKING IN ENGLAND.

Drawings.

Legros, Alphonse. Profile head of an old man; red chalk. Study of the figure of Eve in the fresco by Michel Angelo on the 0.108.

the ceiling of the Sistine Chapel; black chalk. *Both presented by the Artist.*

Lithographs.

Legros, Alphonse. Portraits of Professor Huxley, Lord Tennyson, and Cardinal Manning, and two studies of male heads. *Presented by the Artist.*

Engravings.

Bartolozzi, Francesco, R.A. Portrait of William Cowper; after Sir T. Lawrence. Portrait of James Harris. Portrait of Philip, Earl of Chesterfield; medallion. Portrait of George John, Earl Spencer; medallion; proof before letters. Portrait of Hugh Blair, D.D.; after Raeburn; proof with open letters. Portrait of Holbein; proof before letters. Portrait of Holbein's wife. Monument to Sir George Savile; after J. Fisher.

Bartolozzi, F., and W. Byrne. Death of Captain Cook; after J. Webber; proof with scratched letters.

Cardon, Anthony. Garrick between Tragedy and Comedy; after Reynolds; proof before letters.

Hollar, Wenzel. Two views of Salisbury Cathedral. (P. 1660 and 1661).

ENGLISH SCHOOL.

Drawings.

Barrow, Joseph Charles. View on the Thames during the great frost of 1789; water-colours.

Collins, Charles Allston. Eighteen original studies for compositions.

Denning, Stephen Poyntz. Portrait of Michael Bryan; black chalk and water-colours.

Edridge, Henry. Portraits of Lady Campbell and Miss M'Leod; water-colours and pencil. Portrait of a gentleman with his wife and children; pencil. Portrait of Robert Southey; pencil-tinted. Portrait of Joseph Farington, R.A.; pencil and water-colours. Portrait of George John, Earl Spencer; pencil and water-colours. Portrait of Charles James Fox; pencil. Portrait of William Pitt, whole length, seated; pencil. Portrait of William Windham; pencil and water-colours.

Harlow, George Henry. Portrait of James Northcote, R.A.; crayons.

Hoppner, John, R.A. Portrait of his wife; black and red chalk.

Keene, Charles. Thirteen original designs for "Punch;" pen.

Lawrence,

Lawrence, Sir Thomas, P.R.A. Portrait of Earl Bathurst; crayons. Portrait of a young lady; crayons.

Marlow, William. View of Fish-street Hill, with the Monument; water-colours.

Martin, John. View at Eastbourne; water-colours. A cornfield; water-colours.

Redgrave, Richard, R.A. Twenty-two original sketches and studies for pictures.

Stanfield, William Clarkson, R.A. View of Amalfi; pencil and Chinese white. Landscape, with cottage and tower; oils on paper.

Swinton, James Rannie. Portrait of Lord Edward St. Maur; crayons. *Presented by the Hon. Mrs. Swinton.*

Thackeray, William Makepeace. "Simple Melodies;" a set of pen sketches, with verses.

Wyld, William. View of the Château de Pau; water-colours. View of Como; water-colours.

Woodcuts.

Bewick, Thomas. Hunting scene; after J. Bewick. Illustration to Parnell's "Hermit." Tailpiece to Goldsmith's "Deserted Village." *All presented by Mason Jackson, Esq.*

Branston, Robert. The Cave of Despair; after J. Thurston. *Presented by Mason Jackson, Esq.*

Jackson, John. A collection of 94 proofs, including illustrations to Lamb's "Tales from Shakspeare;" after Harvey; Northcote's "Fables;" after Harvey; and "Robinson Crusoe;" after G. Cruikshank. *Presented by Mason Jackson, Esq.*

Jackson, Mason. Twenty proofs of cuts after E. Duncan, Sir J. Gilbert, J. D. Harding, S. Read, E. M. Ward, etc. *Presented by the Artist.*

Nesbitt, Charlton. Rinaldo and Armida; after J. Thurston. *Presented by Mason Jackson, Esq.*

Engravings.

Beugo, John. Portrait of William, Earl of Denbigh; after Van Dyck.

Cousins, Samuel, R.A. Twenty-eight plates after Sir E. Landseer, Sir J. Reynolds, Sir F. Grant, Winterhalter, etc.; in fine proof states.

Fittler, James. Portrait of Sultan Abdul Hamet; after F. Tonioli; proof before letters.

Geller, William Overend. John Wesley preaching in the Amphitheatre, near Gwennap, Cornwall.

Gillray, James. "Marquis Cornwallis receiving the Royal Hostages at Seringapatam;" after J. Northcote.

Heath, Charles. Forty-one working proofs of book illustrations; after Lawrence, Egg, Stephanoff, and others.

Lucas, David. Hadleigh Castle; after J. Constable; proof touched on by Constable. *Presented by R. Walker, Esq.*

Morris, Thomas. "Hawking."

Nicholls, W. "The Ghost: a Christmas Frolic;" after J. M. Wright.

Ryall, Henry Thomas. Portrait of Lady Blantyre; after G. Richmond, R.A.

Turner, Charles. Portrait of John, Lord Rolle; after Lawrence; proof before letters. Portrait of John Loudon M'Adam; proof before letters. A series of 345 plates, chiefly portraits, after various artists; formerly the property of C. Turner himself, and obtained from the family of the artist under the will of his daughter, Mrs. Savery.

Ward, George Raphael. Portrait of Sir William Follett; after F. R. Say; proof before all letters.

Prints arranged to illustrate the Works of Masters.

Barralet, John James. "The spirited Behaviour of Margaret of Anjou when attacked in a Wood;" by V. M. Picot.

Bigg, William Redmond, R.A. "The Sailor Boy's Return;" by J. Schmitz.

Bunbury, William Henry. "Affection;" W. Dickinson, exc.; aquatint. *Presented by J. D. Francis, Esq.* "Savoy" and "Tuscany;" both by W. Dickinson; stipple.

Copley, John Singleton, R.A. Ten heliotypes from portraits of residents in New England. *Presented by Henry P. Curtis, Esq.*

Frost, William Edward, R.A. Eleven engravings by T. Garner, F. Holl, P. Lightfoot, etc.; in proof states.

Hogarth, William. Portrait of John Wilkes; by J. F. Bause.

Inskipp, James. "Pastoral of the Sabine Mountains;" by W. Chevalier.

Jones, Inigo. Four elevations for the Palace of Whitehall; by H. Hulsbergh.

Landseer, Sir Edwin, R.A. "Catherine Seyton;" by W. H. Simmons.

Leslie, Charles Robert, R.A. "Sir Roger de Coverley going to Church;" by H. Meyer.

Maclise, Daniel, R.A. "Preparing Moses for the Fair;" by L. Stocks; proof with open letters.

Phillips, Charles G. L. "Dundee from Balgay, 1890;" etched by R. D. Winter; "remarque" proof. *Presented by G. Petrie, Esq.*

Swinton, James Rannie. Eighteen engraved and lithographed portraits. *Presented by the Hon. Mrs. Swinton.*

Turner, Joseph Mallord William, R.A. Tivoli; by E. Goodall; engraver's drawing and two working proofs. Dido and

and Æneas; by W. R. Smith; three working proofs. Forty-six plates by J. C. Allen, G. Cook, W. B. Cooke, E. Goodall, W. Miller, J. Pye, R. Wallis, and others; in proof states, some of them touched for correction.

Modern Prints presented by Publishers.

The Trustees have received from Mr. L. H. Lefèvre, of King-street, St. James's, artist's proofs of the following prints published by his firm during the year:—

Alma-Tadema, Lawrence, R.A. "Eloquent Silence;" etching by P. J. Arendzen.

Checa, Ulpiano. "A Roman Chariot Race;" etching by Maurice Deville.

Knowles, G. S. "Enid;" by Macbeth Raeburn; mezzotint.

Sadler, Walter Dendy. "The Widow at Home;" etching by W. H. Boucher. "The Hunting Morn;" etching by Macbeth Raeburn.

PORTRAITS.

Foreign.

Angoulême, Marie Therèse, Duchesse d', in the character of Innocence; after De Rigny, Bartolozzi direxit.

Beverningk, Jeronimus van; after J. de Bane, by H. Bary.

Bolivar, Simon; by M. N. Bate; stipple.

Charles X., when Comte d'Artois, with his sister Clotilde; after Drouais, by J. F. Beauvarlet.

Charles Louis, Elector Palatine; after Mierevelt, by W. J. Delff.

Decazes, Elie, Duc de; after F. Gérard, by P. Toschi.

Elizabeth, Queen of Bohemia; after Mierevelt, by W. Hondius.

Frederick, King of Bohemia; after Mierevelt, by W. Hondius.

Frederick and Elizabeth, King and Queen of Bohemia, with their six children; anonymous.

Frederick II. of Prussia; after Pesne, by C. F. Fritzsch.

Greene, Nathaniel, American general; after C. W. Peale, by J. Chevillet.

Henri IV. of France; after F. Pourbus, by F. S. Goulu.

Henri IV. and his family; Massard's plates of Charles I. and his family, with the heads altered by Bertonnier.

Jefferson, Thomas; after Desnoyers, by F. Dequevauviller.

John Ernest, Duke of Saxony; after Mierevelt, by W. Hondius.

Jolyot de Crébillon, Prosper; after Aved, by J. J. Baléchou.

Lamoignon, Madeleine de; after De Seve, by G. Edelinck.

Le Kain, Henri Louis; after S. B. Le Noir, by A. de St. Aubin.

L'Hospital, Paul G., Marquis de Châteauneuf; after L. Tocque, by J. C.

Louis XV.; after M. F. D. Bardon, by E. Fessard.

Louis, Dauphin of France; after Beaubrun, by N. de Larmessin.

Mary, Princess of Orange; after Van Dyck, by C. van Queboren.

Mirabeau, Honoré Gabriel, Comte de; after J. Guerin, by F. G. Fiessinger.

Nassau, William Louis, Count of; after Mierevelt, by W. J. Delff.

Pastoret, Claude Emmanuel, Marquis de; after P. Delaroche, by Henriquel-Dupont; proof before letters.

Talleyrand-Périgord, Charles Maurice de; after F. Gérard, by A. B. Desnoyers.

Washington, George; after L. Le Paon, by N. Le Mire.

William I., Prince of Orange; by H. Hondius.

English.

Aberdeen, George Hamilton Gordon, fourth Earl of; by Skelton and Hopwood.

Albert Edward, Prince of Wales; by C. Naish, from a miniature. *Presented by C. Naish, Esq.*

Bowman, Sir William, Bart., F.R.S.; after W. W. Owless, R.A., by J. C. Webb; mezzotint; signed artist's proof. *Presented by the Committee of Subscribers to the Bowman Presentation Portrait.*

Buckingham, George Villiers, first Duke of; B. Moncornet, exc.

Catherine of Braganza; after D. a Plaats, by A. de Blois.

Coke, Sir Edward; by J. Payne.

Gibson, John, R.A.; after S. S. Kirkup, by T. H. Maguire; in lithography.

Hamilton, Emma, Lady; after A. Kauffmann, R.A.; copy by H. Meyer, from the print by R. Morghen. *Presented by W. W. Gubbings, Esq.*

Keir, James, F.R.S.; after Langastre, by W. H. Worthington.

Mary II.; by G. Valck; mezzotint.

Nelson, Horatio, Viscount; after L. F. Abbot; proof before letters.

Powell, Sir John Kynaston, M.P.; after R. Muller, by J. Stow; proof with the arms only.

Swift, Jonathan, Dean of St. Patrick's; after C. Jervas, by G. Vertue.

Wellington, Arthur, Duke of, K.G.; twenty various portraits; after Chantrey, Lawrence, Hayter, and others.

History.

Evacuation of Maestricht by the Spanish troops, 1632; after J. Martsen (de Jonghe), by J. van de Velde; six sheets.

Entry of Marie de Medici into Amsterdam, 1638; after J. Martsen (de Jonghe), by P. Nolpe; six sheets.

Funeral Car of the Duke of Wellington; four outline plates by H. Adlard, after H. Whitaker.

Sets and Collections.

A historical collection of English and foreign engraved fan leaves, six hundred and sixty-two in number, of which two hundred and eighty-three are mounted as fans. *Presented by Lady Charlotte Schreiber.*

"Collection Générale des Portraits de M.M. les Deputés â l'Assemblée Nationale;" fifty-six plates; in aquatint.

Thirty-seven water-colour drawings by A. Calame, T. Gudin, Carle Vernet, F. L. Francia, Sir G. Beaumont, W. L. Leitch, R. Westall, and others. *Presented by A. W. Franks, Esq.*, C.B., F.R.S.

Thirty-seven portraits engraved for a history of the French Revolution; published by M. Jones. *Presented by Miss Kernot.*

A very extensive collection of the works of George Cruikshank, including four thousand and sixty-five sheets of original sketches, and one thousand eight hundred and thirty-five etchings and woodcuts, required to complete the Museum series. *Bequeathed by the late Mrs. Cruikshank.*

Reproductions.

A collection of three hundred and seventy reproductions of rare prints by the Master of 1466, Wenzel von Olmutz, the Master of the St. Erasmus, the Master of the Berlin Passion, the Master of the Banderoles, M. Schongauer, I. van Meckenem, and other early German engravers, chiefly in the Dresden Museum. *Presented by Dr. Max Lehrs.*

A series of forty reproductions of portraits of eminent men, executed for the "Magazine of Art." *Presented by M. H. Spielmann, Esq.*

Books of Prints.

Huchtenburg, Jan van. "Batailles gagnées par le serenissime Prince Fr. Eugène de Savoye sur les Ennemis de la Foi . . . . . depeintes et gravées en taille douce par le Sr J. K., avec des explications historiques par Mr. J. Dumont;" La Haye, 1725.

0.108.

Cox,

Cox, David. "A Treatise on Landscape Painting and Effect in Water-colours;" 1814; with twenty-one soft-ground etchings by Cox, and twenty-seven aquatints by Reeve; first edition.

Sidney Colvin.

Department of Egyptian and Assyrian Antiquities.

I.—*Arrangement, Cataloguing, etc.*

Egyptian Division:—

The general re-arrangement of the Egyptian Collection has been proceeded with, and a number of objects acquired during the year have been incorporated.

The Egyptian portion of the General Guide to the collection has been revised. The preparation of the edition of the texts of the Tell el-Amarna tablets, and the introduction and summary, have been continued.

Five hundred and two objects have been registered and numbered; eight cufic gravestones have been registered; three hundred and fifty labels have been written and painted; catalogue numbers of ostraka, etc., have been entered in the registers; one hundred and ten printed labels have been attached to scarabs; four papyri have been mounted; three hundred and ninety-five vases, bronzes, and other objects have been mounted on plinths or pedestals; and six oak and twelve satin-wood pedestals have been made for casts, etc. The collection of casts purchased at the Gîzeh Museum in the early part of the year have been mounted on plinths.

Phœnician Room:—

The Semitic collections in the Phœnician Room have been removed to the Second Northern Gallery, and have been replaced by Assyrian sculptures.

One thousand four hundred and seventy-three visits have been made to the Egyptian and Assyrian Department by students and others. They have been assisted in their researches; and eight thousand six hundred and seventy objects have been given out to them for study.

Assyrian Division:—

A number of Assyrian slabs from the basements have been arranged on the walls of the room formerly occupied by Phœnician antiquities.

The second volume of the *Catalogue of the Cuneiform Tablets in the Kouyunjik Collection*, by Dr. C. Bezold, has been

been published. The preparation of a second edition of the first volume of the *Cuneiform Inscriptions of Western Asia* has been continued; and the second edition of the fourth volume has been published.

Sixteen thousand seven hundred and thirty-three tablets and fragments have been registered, and five hundred and forty-two paper squeezes have been numbered. The re-arrangement of the Kouyunjik Collection has been completed, and the arrangement of the other collections continued.

One thousand six hundred and thirteen tablets have been repaired; eight thousand seven hundred have been placed in boxes; one hundred and twenty-three "joins" have been made; and fifteen figures have been repaired. Six tablets have been cleaned.

II.—*Acquisitions.—Purchases.*

I.—Six fragments of limestone sculptured and painted with figures of women, animals, etc., from Sakkârah. VIth dynasty.

II.—Objects from the Sabatier Collection, viz.:—

1. Inner coffin of Amen-em-Apt, a priest of Amen-Rā, at Thebes, painted inside and out with funereal scenes in bright colours; B.C. 1200—1000.
2. Mummy, in a cartonnage case, of a lady in the College of Amen-Rā at Thebes; about B.C. 900.
3. Coffin of Bes-en-Mut, a temple official at Thebes; B.C. 600—300.
4. Inner coffin of a temple official; B.C. 1200—1000.
5. Uninscribed wooden coffin of a child. An interesting example of late work.
6. Bronze libation vase with handle.
7. Four wooden portrait figures.
8. Seven stone and wood sepulchral stelæ of various periods.
9. Three alabaster jars for holding intestines of the dead.
10. Bronze figure of the god Nefer-Tmu, inlaid with gold.
11. Bronze statue of the god Sebek.
12. „ statue of a king adoring Apis.
13. „ cat inlaid with gold.
14. „ statue of the god Anubis, and crocodiles.

15. Bronze statue of the god Ptah.
These examples of Egyptian bronze work are remarkably fine.
16. Granite figure of a scribe. XXVIth dynasty.

III.—1. Granite slab inscribed with the name of Nekau. about B.C. 600.
2. Glazed *faïence* model of altar.
3. Human-headed heart, originally inlaid with a hawk.
4. Glazed steatite spoon in the form of an animal.
5. Green glazed *faïence* tile inscribed with the name of Shashank II.; B.C. 833.
6. Fragments of glazed *faïence* cartouches inscribed with the names of Rameses II.; B.C. 1330.
7. Rectangular plaque of variegated glass.
8. Wooden box for holding pair of scales and weights. Arabic period. (?)
9. Wooden shutter with bolts.
10. Mummied cat.
11. Black ware vase in the shape of the head of Bes.

IV.—1. Three wooden cramps inscribed with the names and titles of Seti I.; B.C. 1370. From the Temple of Seti at Abydos.
2. Upper part of a statue of a princess, in black granite; about B.C. 1000. From Thebes.
3. Wooden hoe.
4. Wooden box in the shape of a hippopotamus.
5. Large wooden adze with original bronze head and leathern straps; about B.C. 1400. From Thebes.
6. Red terra-cotta lamp inscribed with the name of Joseph, Bishop of Alexandria.
7. Blue glazed *faïence* four-handled jar. From Thebes.
8. Three flint implements, finely worked. From Thebes.
9. Cover of a jar in the shape of a lion and bull fighting. Tell el-Amarna.
10. Blue glass scarab for the network of a mummy, uninscribed.
11. Blue and green glazed *faïence* plaque. Obverse: Anubis at bier. Reverse: an inscription in Coptic, "May she hasten to arise." From Akhmîm.
12. Glazed steatite plaque inscribed with the names of Amenemhāt IV. and his son Ameni; about B.C. 2266.
13. Blue

13. Blue glazed *faïence* plaque with rounded top, inscribed with the names of Amenophis III. and his Mesopotamian wife Thi; about B.C. 1450. This plaque was probably inlaid in an alabaster slab.
14. Three blue glazed *faïence* jars for holding intestines of the dead; about B.C. 1000—800. From Thebes.
15. Ram in steatite. From Thebes.
16. Round diorite table-top. XXIInd dynasty. (?)
17. Ivory stibium pot in the shape of two lotus columns; about B.C. 1400. From Thebes.
18. Steatite case for holding mummied frogs.
19. Three strings of fine amethyst and glass beads.
20. Bronze figure of the god Set, originally gilded. From Thebes. Figures of this god are very rare.
21. Bronze mirror in an ivory handle.
22. Bronze *kherp* sceptre, inlaid with figures of silver. XXIInd dynasty. From Dêr el-Bahari.
23. Terra-cotta tablet. From Tell el-Amarna.
24. Bead cap. Restrung in modern times.
25. Four pieces of needlework. From Akhmîm.
26. Painted coffin of Tche-Hera; about B.C. 1000—800.

V.—1. Part of a bone carding comb. From Akhmîm.
2. A collection of glazed plaques for inlaying. From Thebes.
3. Alabaster vase in the form of a duck. From Thebes.
4. Wooden stamp inscribed "Heraklî."
5. Wooden paddle.
6. Black granite figure of a man seated. Early period.
7. Large ostrakon inscribed in Demotic.
8. A collection of terra-cotta vases and other vessels inscribed with unknown characters.

VI.—1. A large collection of Babylonian tablets.
2. Two hundred tablets and fragments. From Kouyunjik.

Presents.

I.—1. A very fine and perfect monolithic granite column with palm leaf capital, inscribed with the names and titles of Rameses II. and Menephthah I.; about B.C. 1330. Height about 18 feet. From the temple at Heracleopolis Magna.

2. Two *ushabti* figures. XXVIth dynasty, or later.
3. Two-handled glazed jar.
4. Granite slab with name of Khufu (Cheops); about B.C. 3733.
5. Granite slab with name of Khāfrā (Chephren); about B.C. 3666.
6. Granite slab with name of Usertsen III.; about B.C. 2333.
7. Granite slab with name of Sebek-hetep; about B.C. 1700.
8. Part of inscription of Apepa; B.C. 1700.
9. Granite slab of Usertsen III., usurped by Rameses II.; about B.C. 2333.
10. Amenophis II., B.C. 1600, and Seti I., B.C. 1366, offering to Amen-Rā.
11. Inscription of Rameses II.; about B.C. 1330.
12. Osorkon II. in a shrine; about B.C. 866.
13. Slab of Necht-Heru-heb; about B.C. 378.

Presented by the Committee of the Egypt Exploration Fund.

II.—1. Hæmatite seal engraved with a goat, lion, bird, etc.

Presented by Josiah Mullens, Esq.

III.—1. Stone scarab; modern imitation.
2. Yellow terra-cotta jar. Coptic period.
3. Limestone stele, inscribed in Coptic.
4. Limestone stele inscribed in Demotic.
5. Wooden mummy label.
6. Red terra-cotta vase.
7. Blue glazed *faïence ushabti* figure.
8. An object made of slate.
9. Fragment of blue glazed *faience*.
10. Portion of a shell and cotton necklace.

Presented by the Rev. Greville J. Chester, B.A.

IV.—1. Limestone fragment inscribed with the figures of Userkaf-Ânkh and his son Khent-Kau-s. IV–VIth dynasty.

Presented by the Rev. W. J. Loftie, B.A.

V.—1. Large

V.—1. Large glazed and painted terra-cotta ornament from the palace of Assur-nasir-pal; about B.C. 885.

2. Glazed and painted terra-cotta ornament uninscribed.

3. Inscribed fragments of glazed and painted terra-cotta ornaments.

Presented by the Right Hon. Sir A. H. Layard, G.C.B.

E. Maunde Thompson.

Department of Greek and Roman Antiquities.

I.—*Arrangement, Cataloguing, etc.*

Nineteen sculptures and a series of inscriptions have been repaired and mounted, a series of fragments of a terra-cotta cornice repaired and mounted on slate, and five marble pedestals for sculptures placed in the Galleries; four marble corbels for portrait heads or busts fixed in the Entrance Hall; casts of two fragments added to the torso of Poseidon from the west pediment of the Parthenon; one cast of a fragment added to a slab of the Parthenon frieze, and the store-cast of the same slab restored; a coffer of the ceiling of the Nereid Monument restored; the walls of the First and Third Græco-Roman Galleries repainted; a series of the most important Greek and Latin inscriptions, together with a number of Greek and Roman portraits and other sculptures, have been placed in the new Inscription Room between the Entrance Hall and the Reading Room; the Greek inscriptions from Knidos, and a series of mosaics from Carthage, have been removed, so as to release the Store Room where they were placed; two Lycian tombs have been transferred to the Mausoleum Room; progress has been made with the re-arrangement of the Græco-Roman Galleries and the Mausoleum Room; the Knidos lion has been transferred from the Elgin Room to the Mausoleum Room; the Græco-Roman Basement has been partly repainted, and the sculptures re-arranged; two sarcophagi have been removed from the Roman Gallery to the Mausoleum Annexe; progress has been made in re-mounting and re-arranging the collections in the Bronze Room and Second Vase Room; a selection of casts from gems has been made, and two cases prepared for presentation sets of the same; seventy-four gems have been mounted in silver-gilt mounts, and one on a velvet-covered block; fifty-four leaden tablets have been mounted on slabs of slate, and four gold laminæ on wooden tablets; two terra-cotta figures and thirty-six bronzes have been mounted on stands or plinths, and one on its own base;

seven bronzes and one silver vase have been repaired; one bronze-gilt fibula and four reliefs of bronze-gilt cleaned; thirty-five vases and a series of fragments of vases cleaned and repaired; an oak pedestal made for the Bronze Room, and a series of labels for the Entrance Hall; two hundred and eighty-six objects have been registered; five hundred and seventy-nine vases catalogued; and four hundred and eighteen descriptive titles written and attached to objects.

A Catalogue of the Casts of Gems has been issued, and Volume I. of the Catalogue of Sculpture nearly completed. Progress has been made with Part IV. of the Ancient Greek Inscriptions, and with a Hand-book to, and a Catalogue of, the Vases.

II.—*Acquisitions.*

By Donation.

I.—Marble *stelè* with relief of draped figure. Inscribed **Σωσίβιε Καπίτωνος χρῆστε χαῖρε.** *Cyprus.*

Presented by Colonel Falkland Warren, R.A.

II.—1–11. Bronze box with head of Domitia in relief, and ten bronze fibulæ. *From Rome.*

12–14. Two bronze spurs, and a bronze object, probably part of a bow.

Presented by A. W. Franks, Esq., C.B.

III.—Fragments of two painted wooden panels. *From the Fayoum.*

Presented by Henry Wallis, Esq.

IV.—1. Gladiator's tessera in ivory or bone, inscribed (1) TEVPILVS; (2) MVNATI; (3) SP AD VI K SEX; (4) L. GEL. CN. LEN. The date is 72 B.C. (Proc. Soc. Antiq., Vol. XIII., Part 4, p. 329; and compare C. I. L. XII., 638). *From Girgenti.*

2. Bronze disk with face of Gorgon in relief. *Athens.*

3. Terra-cotta female head of fine ideal type. *Girgenti.*

Presented by Sir John Evans, K.C.B., F.R.S.

V.—1. Marble relief representing Serapis and Isis, with a bull in the background. *Rhodes.*

2. Marble fragment of moulding. *From the Amphitheatre at Arles.*

3. Plaster

3. Plaster cast from a bronze relief representing Aphrodite and Anchises, with Erotes by them, and a dog at their feet. The original was found at Paramythia, near Dodona, in 1798. (Spec. Ant. Sculpture, II., pl. 20.)

Presented by F. T. Palgrave, Esq.

VI.—1. Fictile oinochoè of brown glazed ware with punctured patterns. *Upper Egypt.*

2. Terra-cotta vase of cylindrical shape. *Sameineh, Upper Egypt.*

3. Terra-cotta impression of a stamp, inscribed.

4–6. Three terra-cotta disks with impressions of coins.

7. Archaic vase with purple-brown patterns on drab ground. *Sameineh.*

8. Oinochoè of moulded black ware. *Abou sîr, near Sakkara, Egypt.*

9. Terra-cotta mould of small Ionic column. *Echmim, Egypt.*

Presented by the late Rev. G. J. Chester.

VII.—Archaic vase with brown patterns on drab ground. *From Heracleopolis.*

Presented by the Egypt Exploration Fund.

VIII.—1. Bronze hair-pin representing Venus and Cupid.

2. Bronze knuckle bone in the form of a small seated figure.

3. Bronze buckle with part of leather belt.

4. Nude male figure in wood.

1–4. *From Egypt. Presented by W. M. Flinders Petrie, Esq.*

A series of objects excavated at *Salamis, in Cyprus*:—

IX.—1. Marble capital formed of two winged bulls' heads (Journal of Hellenic Studies, XII., p. 133; Classical Review, 1891, p. 343).

2. Limestone Ionic capital.

3. Limestone block inscribed in Cypriote characters (Journal of Hellenic Studies, XII., p. 192).

4–32. A series of marble fragments with Greek inscriptions (*ibid.*, pp. 172–194).

33. Marble female portrait head (*ibid.*, p. 130).

34. Marble torso of male figure, perhaps Harpocrates (*ibid.*, p. 145).

35. Marble thumb of life-size figure.

Terra-cottas.

36. Figure of bull, with a row of four lamps down the back (*ibid.*, p. 159).

37–38. Two torsos of male figures, each holding a kid.

39. Male figure with drapery and features painted in red and black (*ibid.*, pl. 9, p. 147).

40–43. Four fragments of draped figures (*ibid.*, p. 140).

44–45. Two fragments, each of a figure of Heracles (*ibid.*, p. 140).

46. Fragment representing clenched fist holding a narcissus.

47. Female head.

48–61. Fourteen fragments of drapery, with lotus, scale, and chequer patterns painted in red and black (*ibid.*, pl. 10).

62. Handle of brazier, with head of Seilenos in relief.

63. Mould in shape of plain disk.

64. Fragment of lamp, incised in late letters *ἀνέθηκ*]*ε εὐχήν* (*ibid.*, p. 141).

Bronze, etc.

65. Mirror of bronze with Gorgoneion on the handle.

66-70. Five stone moulds.

71. Conical stone seal engraved with Cypriote characters (*ibid.*, p. 186).

72. Porcelain nude female figure, painted (*ibid.*, p. 165, fig. 12).

Pottery.

73. Fragments of bowl of early Cypriote style; black and purple patterns on buff ground (*ibid.*, p. 141).

74. Fragments of large bowl with figure of boar, in black and purple on buff ground (*ibid.*, p. 142, fig. 5).

75. Two fragments, with browsing deer, lotus flowers, and other designs; black on buff ground (*ibid.*, p. 142).

76. Two fragments of vase of Rhodian style, with patterns in black, white, and purple (*ibid.*, p. 142).

77. Fragment

77. Fragment of black-figured kylix with female bust, inscribed Στ[ροῖβος καλός] (*ibid.*, p. 143. fig. 6).

78–80. Two phialæ and a kylix of plain glazed ware.

81. Three fragments of black glazed cup, inscribed Δὶὸ]ς Σωτῆρος (*ibid.*, p. 144).

82. Amphora handle stamped with head of an Emperor.

Objects excavated at *Polis-tes-Chrysokhou, in Cyprus*:—

83. Lekythos of the finest fifth-century style, with figures of a warrior and a female, in outline on white ground (*ibid.*, pl. xiv.).

84. Bronze figure of a youth.

85. Bronze lamp-stand.

86–87. Two gold rings, one with intaglio design of Athenè, inscribed ΑΝΑΞΙΛΗΣ (*ibid.*, pl, xv.)

88. Gold pendant, with two seated Erotes (*ibid.*, pl. xv.)

89–92. Four gold ornaments in the shape of rosettes.

Presented by the Committee of the Cyprus Exploration Fund.

By Purchase.

I.—*Green Basalt.* Figure of Cupid riding on a dolphin, forming part of a fountain. *Egypt.*

Bronze.

II.—1. Strigil with relief of male figure, and archaic inscription, Καλίστρατος Διοδώρου, Κορίνθιος.

2. Simpulum and spatula. *Magna Græcia.*

3. Group of wrestlers, apparently copied from some famous original (cf. Pliny, Nat. Hist. XXXVI., 24 and 35). *Egypt.*

4. Statuette of Greek philosopher. *Asia Minor.*

5. Two buckles from phaleræ.

6. Mirror case of the best period, with group in relief of male and female figure and Eros; group of Pan and Nymph incised on inside. *Greece.*

7. A series of twenty-four instruments, chiefly surgical. *Orvieto.*

8. Etruscan statuette of youthful warrior.

Terra-cotta.

III.—1. Two statuettes of Cupids. *Tanagra.*

2. Statuette of seated female figure. *Tanagra.*

3. Statuette of Diana. *Asia Minor.*

4. Three stamped tesseræ. *Catania.*

5. Two Etruscan reels. *Chiusi.*

6. Antefix representing head of Medusa. *Santa Maria di Capua.*

7. Relief representing infant Zeus and three Curetes dancing (cf. Overbeck, Kunstmythologie, Atlas, pl. iv., fig. 4).

8. Group of boy seated holding grapes away from a cock. *Asia Minor.*

9. Statuette of Seilenos with infant Dionysos (Class. Review, Feb. 1892, p. 77).

Pottery.

IV.—1. Oinochoè in the form of a negro's head. *Tanagra.*

2. Aryballos of Corinthian ware.

3. Archaic oinochoè with patterns in black on drab ground. *Santa Maria di Capua.*

4. Four archaic vases with patterns and rude representations of human figures. *Sameineh, Upper Egypt.*

5. Large vase with very rude archaic representations of huntsmen and warriors, in black and red on buff ground. *Tamassus, Cyprus.*

6. Red-figured hydria representing Thersites insulting Agamemnon. *Eretria.*

Gold and Silver.

V.—1. Gold enamelled necklace of fine Greek workmanship.

2. Four gold laminæ with archaic designs of Egyptian and Assyrian character. *Cyprus.*

3. Three silver pateræ, two representing the apotheosis of Heracles, the third with bands of ornament. *Roquemaure, France.*

Engraved Gems.

VI.—1. Rock crystal scaraboid of good Greek workmanship, representing a cock and hen.

2. Agate scarab. A Gryphon striking down an Arimasp.

3. Green jasper scarab. Lion attacking bull. *Greece.*

4. Plasma scarab, with figure of ram. Inscribed ΜΑΝΔΡΩΝΑΞ (cf. a coin of Clazomenæ, Rhein. Mus. N. S., VI., p. 387).

5. Sard scaraboid. Lion attacking deer. *Greece.*

6. Burnt agate intaglio. Camel with two humps.

7. Sard

7. Sard scarab. Heracles in contest with Nereus.

8. Chalcedony scaraboid of the finest style. Girl seated on rock, writing on tablets. *Achæa.*

Miscellaneous.

VII.—1. Eight iron javelin-heads. *Licenza, Italy.*

2. Three iron spear-heads. *Talamone, Maremma di Toscana.*

3. Stone die with twenty sides, inscribed with letters of the Greek alphabet.

4. Four ivory theatre tickets, inscribed (1) ΤΕΙΜΑC ; (2) ΛΥΚΑΡΙ–ωΝ ; (3) ΚΑΡΟΥC ; (4) Δ. *Italy and Alexandria.*

5. Clay stopper and cylindrical stone vase. *Egypt.*

6. Lead Etruscan weight, and ivory plaque with relief of dog. *Chiusi.*

A. S. Murray.

Department of British and Mediæval Antiquities and Ethnography.

I.—*Arrangement.*

Anglo-Saxon Room.—Fittings have been made for three of the additional wall-cases, and in them have been arranged the contents of the Saxon tumulus at Taplow, the ancient Irish and later ecclesiastical bells, and certain of the more recent acquisitions.

Mediæval Room.—The sections of clocks and caskets have been re-arranged, and brackets have been made for various specimens of metal-work.

Ethnographical Gallery.—Additional wall-cases have been erected over those in the Asiatic Section; they have been painted, a wire trellis has been fixed along the backs, and a collection from the Kei Islands, and the larger objects from the Andaman and Nicobar Islands, have been placed in them. The central case for Japanese carvings has been fitted with glass shelves and brass racks, and the objects have been arranged in it and provided with class labels. An elaborate Japanese saddle and its fittings have been mounted on a stand and exhibited in a central case with other Japanese objects. The sections of New Zealand, Paraguay, Patagonia, and Tierra del Fuego, have been cleaned; those of Peru, Brazil, and Guiana, have been re-arranged; and the whole of the objects placed outside on the tops of the cases have been twice dusted during the year. The London Missionary

Society's collection has been labelled, and 235 specimens of small size have been mounted on boards or in frames, besides a frame of Guiana ornaments, and a series from Cambodia.

Second Northern Gallery.—Progress has been made with the fittings of the easternmost room, to be devoted to early Christian antiquities.

Glass and Ceramic Gallery.—Two new table-cases have been received, lined to match the others, and the consequent extension and re-arrangement of the glass series have been completed. The contents of one of the large central cases have been removed, cleaned, and replaced. Two additional shelves have been made and placed in the wall-cases of the antique series.

A number of card labels have been written for the glass; all the recent additions to the German stoneware have been labelled, as have also the additional pieces of English pottery. The series of interesting fragments of early wares from Rhages in Persia, and Fostāt, Egypt, have been arranged in a table-case and labelled.

The registration has been continued, and 2,445 objects have been registered, completing the register of antiquities up to the end of the year; while 512 objects acquired between the years 1837 and 1845 have been registered in the modern style.

Three hundred and ten ethnographical specimens have been described for the permanent Slip Catalogue, with a drawing of each object.

Two hundred and sixty-nine card labels with duplicates, and 491 headings, have been printed with the hand-press in the department; 14 mounting boards have had descriptive labels written upon them; six general labels have been painted; 81 mounting boards and tablets have been covered with paper, and 413 antiquities have been mounted, as well as a number of Japanese antiquities.

Thirty-one matrices of seals have been catalogued on slips; 138 gold ornaments have been catalogued in the same manner; and 136 enamels have been catalogued for publication.

The framing of the series of Egyptian race casts has been completed.

A number of Anglo-Saxon antiquities of iron from Suffolk and elsewhere have been boiled in wax to arrest decay, as have also certain objects of the same kind from Norway. A Late Celtic bucket with bronze bands has been mounted and the wood restored, and 290 type casts of seals have been remounted.

II.—*Acquisitions.*

(1.) *Early British and Prehistoric Antiquities:—*

A gold torc, weighing 11¾ oz., found at Castlemount, Dover, in 1878; presented by Robert Chignell, Esq.

A flint

A flint celt and stone axehead, probably from the Thames; bronze spearheads of fine form, portions of swords, end of scabbard, gouge, etc., being portions of a large hoard of such objects discovered in the south of England; two bronze axes from Scotland, and other antiquities of the same kind; obtained at the sale of the late George Roots, Esq., F.S.A.

Model of a socket celt in lead, probably used in making the moulds, found on Semer Common, Suffolk, in 1890, and presented by the Rev. James Beck.

Bronze socket celt from Forfarshire, Irish bronze javelin-head, and an iron sword and dagger of the Late Celtic period, from the Thames; presented by A. W. Franks, Esq.

The foreign illustrations include:—

An axehead of diorite, found at Delphi; presented by John L. Myres, Esq.

A large bronze palstave with two loops, from Spain, a socket celt from Denmark, an axehead from Palermo, and an arrowhead from Sidon; presented by A. W. Franks, Esq.

A large number of stone implements, fragments of pottery, etc., found by the donor in kitchen-middens of Kamtchatka; presented by Monsieur Fridolf Hoök, of Vladivostok, Eastern Russia.

A bronze rapier blade found at Chinon, Indre et Loire, France, and a portion of a gold chain from Hungary.

(2.) *Anglo-Roman:*—

A remarkable helmet made of bronze lined with iron, and of unusual type, found at Witcham Gravel, Cambridgeshire. *See* "Archæological Journal," Vol. xxxvii., p. 463.

Portions of a bronze statuette, probably of Neptune, found at Ranksborough, near Oakham; bronze figure of Mercury found near Colchester; three masses of pewter with stamped inscriptions, from the Thames; silver fibula, found near Folkestone; Samian bowl, etc.; all presented by A.W. Franks, Esq.

A considerable number of personal ornaments, portions of others, some of them enamelled, found near Chepstow, on what is believed to have been the site of a factory of such objects in the Roman period; collected by the late W. Edkins, Esq.

Fragment of black ware with figures in relief, in other respects exactly like the so-called red Samian ware, found in London, 1836; presented by George Payne, Esq., F.S.A.

(3.) *Anglo-Saxon, Foreign Teutonic, etc.:*—

A collection of objects found in an Anglo-Saxon cemetery at Kempston, Beds, among them a very fine drinking glass; *see* Associated Archæological Societies' Reports, 1864; and others, chiefly urns, found at Barton Seagrave, Northants.

Anglo-Saxon swords, etc., found at East Shefford, Berks.

A collection from graves of the Viking period in Norway, obtained and partly excavated by A. Heneage Cocks, Esq.

A Scandinavian sword, presented by A. W. Franks, Esq.

A number of bronze pins and brooches from Ireland; presented by A. W. Franks, Esq.

Two bronze brooches, in form of animals' heads, from Gothland; presented by James Curle, Jun., Esq.

A considerable collection of personal ornaments found in Merovingian cemeteries near Amiens and Pontoise.

(4.) *Mediæval and Later* :—

(a.) *English.*—Portions of ecclesiastical vestments, found many years since in Worcester Cathedral, and believed to have belonged to Bishop Walter de Cantelupe.

A morse ivory draughtsman of the 13th century, found at Glastonbury; five leaden pilgrim's signs, found in London, chiefly relating to St. Thomas of Canterbury; and a large number of miscellaneous objects, also found in London; presented by A. W. Franks, Esq.

Gold ring of the 15th century, found at Fressingfield, Suffolk.

Three enamelled pendants of bronze; two gold medallions with portraits painted in enamel on each face, one of Charles I. and Charles II., the other of Charles II. and the Duke of York; a gold flacon with enamelled subjects; and three large enamels by W. H. Craft, two of them being full-length portraits of George III. and Queen Charlotte, the other an allegorical subject; all presented by A. W. Franks, Esq. Also six other enamelled pendants of bronze from the Edkins Collection.

Twelve matrices of seals, including that of the Hospital of St. John, Shaftesbury, the Hospital at Stoke Poges, and the Jurisdiction of Saltwood. Bronze impression of the Great Seal of the Order of the Garter, *temp.* Charles II.

Watch made by Samson of London; presented by Evan Roberts, Esq. Another made by Robert Grinkin, and a leather case for an astrolabe.

Horn box, with the Conversion of St. Paul, by John O'Brisset; presented by Lady Charlotte Schreiber. Lid of another by the same maker, with equestrian figure of Charles I.; presented by F. E. Whelan, Esq. A silver disc with Drake's voyage, wax medallion portraits of Lord Heathfield and of George, Prince of Wales, afterwards George IV., the latter by Poole; presented by A. W. Franks, Esq.

Bronze cauldron dredged up in the River Severn; presented by the Rev. James Beck. Four old keys of the Royal Parks; presented by John Fewkes, Esq.

(b.) *Foreign.*—

(b.) *Foreign.*—Ivory carving with figure of the Virgin and Child seated, probably Flemish; a bronze medallion with portrait of a lady; and a bronze plaque with the Adoration of the Magi; presented by Henry J. Pfungst, Esq.

Three Russian ikons or religious tablets, two of them enamelled.

Two pendants with coats of arms under crystal, of German work, probably badges of some guild or noble family.

A tombstone with Cufic inscription and a date corresponding to A.D. 991, from Tâhiri, near Bushire, Persia; presented by B. T. Ffinch, Esq. Three marble tombstones from Cairo, with Arabic inscriptions of the ninth century; presented by the Egypt Exploration Fund.

A Saracenic ivory box, with verses in Arabic, and five examples of Saracenic metal-work from the Rohde Hawkins Collection, of which several are important, viz.:—(1.) a writing-box richly inlaid with figures in silver, with the name of its maker, Muhammad ibn Sonker, and a date corresponding to A.D. 1281. (2.) Cup inlaid with silver, with Persian verses round the lip, and Arabic inscriptions on the body, 13th century. (3.) Box and cover of very delicate work in the arabesque style, possibly made in Venice, and bearing the name of its maker, Zein-eddin. (4.) A hand warmer, inlaid with gold and silver; and (5.) a dish of Oriental design, with the arms of the Venetian family of Zen.

A large casket of wood of the 14th century, covered with bronze plates stamped in relief with love scenes and French inscriptions. Two bas-reliefs carved in alabaster of the 14th century, from Italy. A German carving in ivory with a figure of our Lord, probably of the 11th century.

Two silver seals, connected by a chain, made for the Provost of Monte Falcone, South Italy; presented by Lady Charlotte Schreiber.

Eighteen matrices of seals, of which the most important are, the seal of the Chapter of Udine, a remarkably fine example of Italian 13th-century work; that of Bartolommeo, Bishop of Castello in the 13th century; and three silver seals of Dutch families.

Casket of cuirbouilli, with iron mounts, and an inscription relating to Anne of Brittany, Queen of France; presented by A. W. Franks, Esq. Iron bolt for a cross-bow, from the Castle of Schönberg; presented by E. W. Richardson, Esq., Jun.

Large circular plaque of Limoges enamel of the Penicaud School, painted in grisaille, with Diana hunting (South Kensington Loan Exhibition, 1862, No. 1731); an oblong plaque of Limoges enamel, with a subject from the life of a female saint, signed I.P.; and four German painted enamels of the 17th century; all presented by A. W. Franks, Esq. A mirror with enamelled back, painted by Susanne Court, from

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the Hailstone Collection. A cross with enamels, probably Italian.

Watch made in Landsberg; presented by A. W. Franks, Esq. Clock made by Isaac Definod at Gien, and a French nocturnal, dated 1588.

A pewter dish and plate, the former with portrait of the Emperor Ferdinand III. and the Nürnberg stamp, the other with Biblical subjects; presented by Henry H. Howorth, Esq., M.P. A fool's bauble, of bronze, engraved in "Archæological Journal," xx., 182.

(5.) *Ceramic and Glass Collections:—*

(a.) *Chinese and Japanese Porcelain.*—Additions have been made to the Franks Collection, among which may be specially noticed three early Chinese vases, attributed to the Sung and Yuen dynasties (A.D. 960–1368).

Two ancient Chinese plates from Ceylon; presented by Hugh Nevill, Esq.

A dish with the arms of Sir Fletcher Norton, Speaker of the House of Commons, 1769–1782; presented by Lord Grantley.

Two Corean vessels, stated to be 600 years old; presented by Dr. W. G. K. Barnes, R.N.

(b.) *Continental Pottery.*—An extensive collection of fragments of decorated wares of various kinds, found on the site of the ancient city of Rhages, in Persia, and exhibited in Paris at the International Exhibition in 1889; also specimens of Rhodian and Anatolian wares; presented by F. Ducane Godman, Esq., F.R.S.

Large series of fragments of Arab and other pottery, found in the mounds of Fostāt (Old Cairo); presented by the Egypt Exploration Fund. Other specimens from the same locality; presented by Count Riamo d'Hulst, George Fraser, Esq., Dr. Fouquet, and Henry Wallis, Esq. The value of these fragments consists in the fact of no complete specimens being known to exist.

Fragment of unusual ware with raised ornament, from the Fayūm; presented by W. M. Flinders Petrie, Esq. Small square dish of Arab pottery from Egypt; presented by the Rev. Greville J. Chester.

A bowl and cover of Persian porcelain, painted in blue with decoration in lustre, and with the name of the maker or owner, Hātim; and a low bottle of the same ware painted in blue and black; both presented by A. W. Franks, Esq.

Three tiles with raised figures painted in colours, from Karbala, near Bagdad; presented by E. A. W. Budge, Esq., Litt. D.

Italian sgraffiato dish, Venetian majolica dish, German delft dish, 1692, a dish of Nürnberg faïence, and a bottle of Nürnberg

Nürnberg pottery, obtained at the sale of the late Edward Hailstone, Esq., F.S.A. A Faenza plate marked F. Blue bowl with decoration in white, probably from Castelli, and a ewer of Genoese ware in a German mount of silver-gilt.

An Italian majolica alms-box dated 1565; presented by Henry J. Pfungst, Esq.

A circular majolica plaque with a coat of arms, from the collection of the late Sir William Drake.

A jug of early French pottery found at Beauvais; presented by John Evans, Esq., P.S.A.; and a ewer of Rouen ware; presented by Henry H. Howorth, Esq., M.P.

A large pitcher of German stoneware, with the arms of the Empire, Cleves, etc.; presented by Henry Willett, Esq., F.G.S.

A Raeren jug, by Engel Kran, 1584, a Siegburg jug, and enamelled stove tiles from Cologne, of which one is dated 1600; presented by A. W. Franks, Esq.

A flower vase of Dutch delft, and a teapot of red ware made in Holland by Jacobus D. Caluwe; presented by A. W. Franks, Esq.

(c.) *English Pottery and Porcelain.*—The Franks Collection has been increased by the addition of a number of specimens from the extensive collection of the late R. H. Soden-Smith, Esq., formerly exhibited at the Art Museum in Edinburgh.

Seven examples have been acquired at the Edkins sale, including two specimens of Lambeth delft, dated 1650 and 1653, and a curious teapot in the form of the ship of Admiral Vernon at the taking of Portobello, 1739.

A curious cube of glazed pottery, found in Lincolnshire, and engraved in Proc. Soc. Ant., 2nd S., xiii., 276; presented by Albert Hartshorne, Esq., F.S.A.

Two painted tiles, probably of foreign work, from the Church of St. John the Baptist, Bristol; presented by William Edkins, Esq. A posset-pot of Bristol delft, dated 1677; presented by Lady Charlotte Schreiber. A jug of stoneware found on the site of the Fulham Pottery, and a porcelain plaque with portrait of George III.; presented by Henry Willett, Esq., F.G.S.

Salt glaze model for a vase, made in Staffordshire by Aaron Wood; presented by Captain J. R. Lumley. Plate made at Lane End, Staffordshire, to be given to the apprentices on leaving the works; presented by Henry H. Howorth, Esq., M.P. Porcelain mug, of the rare Pinxton porcelain, given to the grandfather of the donor, E. J. Chatterton, Esq.

(d.) *Glass.*—The additions to the Egyptian Section have been numerous and important. They comprise the following:—A seated figure of a female, of opaque blue glass; presented by A. W. Franks, Esq. Two ancient wooden balls

inlaid with glass of various colours. A wooden panel, from a shrine inlaid with glass, and with traces of a cartouche, believed to be that of Darius Hystaspes, from the Edkins sale. A Roman bottle, still closed with the ancient wax, from Hawara, Fayūm; presented by W. M. Flinders Petrie, Esq.

Twenty-three vessels, chiefly of the Roman period, found in various parts of Egypt; a number of smaller objects, partly presented by the Rev. Greville J. Chester, among them the stamp from a bottle with the name of Hayyan ibn Shureyh, Governor of Egypt, A.H. 99–101.

A glass bottle from Bagdad, and a bowl cut on the wheel; found at Telloh, Babylonia.

Seven glass vessels found in tombs near Nazareth.

Portion of an engraved Roman bowl with figure of Apollo, from Italy; presented by Mrs. Nesbitt.

Purple cup with unusual ornamentation, found in excavations at Cività Lavinia (Lanuvium); presented by the Right Hon. Lord Savile, G.C.B.

Two Venetian specimens and five German, the latter with the arms and portraits of various German electors, from the Hailstone sale. Panel of églomisé work, with portrait of St. Charles Borromeo; presented by Henry H. Howorth, Esq., M.P.

English glass with the arms of Pile of Kent; presented by A. W. Franks, Esq. Election glass with "Sir J. Pole for ever, 1754;" presented by William Edkins, Esq.; and a drinking glass with "N.," believed to have belonged to Lord Nelson; bequeathed by Mrs. Emma Marshall Carter.

(6.) *Oriental and Ethnographical:—*

Indian, etc.—Metal amulet with figure of Buddha, from Ceylon; presented by C. D. Vigors, Esq. A reclining figure of Buddha in Nirvana, from Burmah, made of bronze inlaid with precious stones.

Chinese.—Statue in bronze-gilt of a Buddhist personage on horseback; four specimens of enamel; an ancient vase of bronze inlaid with gold, in the form of a monstrous lion; a case of lacquered wood containing writing implements, etc., from the Summer Palace at Pekin; two cups carved in rhinoceros horn, and other objects; all presented by A. W. Franks, Esq.

Japanese.—Bronze Buddha, made for a temple in Kaga in the year corresponding to A.D. 1630; another with a mirror forming the back of the stand; a wooden figure of a Buddhist deity seated on an elephant; openwork ball of bronze for warming the hands; seals; silver-mounted pilgrim's bell; two enamelled dishes, and other objects; presented by A. W. Franks, Esq.

Four

Four wooden figures, of small life-size, representing the Heavenly Kings or Deva rajas.

The ethnographical objects have been chiefly added to the Museum Collection through the Christy Trust; but among others are the following:—

Asia.—A bronze trumpet of peculiar form, probably from Southern India. A skin canoe, brought from Kamtchatka, and presented by Charles Thomas Kettlewell, Esq.

Africa.—Ashanti cap ornamented with embossed plates of gold, and a necklace of gold and glass beads. Quiver and arrow from the Dwarfs of the Aruwimi Forest; presented by Surgeon Parke. A collection of specimens from Zululand; presented by C. F. Gisborne, Esq. West African ivory carving; presented by Henry Willett, Esq.

Oceania.—Ten ancient stone axeblades from Tonga, and traditionally stated to have come from Uwea (Wallis Island); presented by R. B. Leefe, Esq., Her Majesty's Deputy Commissioner and Vice-Consul at Tongatabu.

Two fish hooks from Fakaofu (Bowditch Island); presented by J. J. Lister, Esq.

Roll of bark covered with scarlet feathers, used as money, from the Santa Cruz Islands.

America.—Ceremonial stone axe from Tabasco, Mexico. Peruvian silver figure and piece of richly-woven cloth, obtained on the coast of Peru by Captain Shirreff when in command of H.M.S. "Andromache;" presented by Miss Emily A. E. Shirreff.

Six shell adzeblades from Barbados; presented by his Excellency Sir Walter Sendall, Governor of Barbados.

III.—Christy Collection.

Four hundred and twenty additional slips have been prepared for the Registration Catalogue, with careful sketches of the objects.

The following donations have been received by the Christy Trustees, and by them transferred to the Trustees of the British Museum:—

1. *Prehistoric Antiquities of Europe, Asia, and Africa:—*

A drift implement from Warren Hill, Suffolk; presented by A. G. Wright, Esq.

A series of implements from the Drift of Kent, collected by Mr. H. Lewis, and presented by A. W. Franks, Esq.

Seven stone implements from the borders of Normandy and Brittany, and two from Upland, Sweden; presented by A. W. Franks, Esq.

Eight stone implements from Asia Minor; presented by the Rev. Greville J. Chester.

Five stone implements from Central Java; presented by R. Kirkpatrick, Esq.

A limestone macehead from Kahun, Egypt; presented by W. M. Flinders Petrie, Esq. Three slate knives from Egypt; presented by the Rev. Greville J. Chester. A fine flint knife from Medinet el Fayūm, and four others of flint and three of slate; presented by A. W. Franks, Esq.

2. *Ethnography of Africa*:—

Two head-dresses, one of silver, obtained in Algeria by the donor, Alexander Christy, Esq.

A series of specimens from the Kilima Njaro district, and others from the Nyassa district; presented by A. W. Franks, Esq.

An interesting series of musical instruments from the River Niger; collected and presented by Major Claude MacDonald.

A Zulu marriage head-ring and an ivory amulet; presented by James Edge Partington, Esq., F.R.G.S.

3. *Ethnography of Asia*:—

A Tatar jointed bow and arrows from China, and an Indian armlet; presented by A. W. Franks, Esq.

A spear, bow, and other objects from the Kei Islands; presented by Cuthbert E. Peek, Esq.; and a series of objects from the same islands, obtained by exchange with the Zoological Society of Amsterdam.

4. *Ethnography of Oceania and Australasia*:—

Head-dresses brought from the Marquesas Islands by Admiral Du Petit Thouars; an adze from Tahiti, a Tongan bowl, and a Fiji spear; presented by A. W. Franks, Esq.

Specimens from the Solomon Islands, New Hebrides, Santa Cruz Islands, Dutch and English New Guinea, and Australia; presented by A. W. Franks, Esq.

A collection from North Australia, Solomon Islands, and New Hebrides; presented by G. Holsworth, Esq.

Series of objects from Queensland; obtained by exchange with the Museum of Owen's College.

A number of choice specimens from Melanesia; presented by the Rev. R. B. Comins.

5. *Antiquities and Ethnography of America*:—

Twenty-one ancient stone implements and eleven pottery vases from Peru; presented by A. W. Franks, Esq.

An axeblade of jadeite and an arrowpoint of chalcedony from Puebla; presented by F. Ducane Godman, Esq., F.R.S.

Specimens from the Indians of the North West Coast; presented by A. W. Franks, Esq.

A stone-headed mace from the Sioux Indians; presented by James Elliot, Esq.

A number

A number of Zuñi fetishes and boomerangs, and baskets and throwing sticks from various parts of America; obtained by exchange with the Smithsonian Institution.

The most important addition to the Christy Collection has been the acquisition of a large and interesting series of objects collected by Mr. George Goodman Hewett, one of the surgeons who accompanied Vancouver in his well-known voyage, 1790–95. The specimens are principally from the Sandwich Islands and the North Pacific coasts of America; among the former are a feather god, feather helmets and ornaments; and the American section includes many specimens from the coast of California. The collection is, of course, of great additional value from its having been made a century ago, many of the objects being now obsolete; presented by A. W. Franks, Esq.

The Trustees of the Christy Collection have purchased, from funds at their disposal, a collection formed by Mr. Jockin in the Kei Islands, and a selection from the general ethnographical collection formed by the late Mr. Noldwritt.

Augustus W. Franks.

Department of Coins and Medals.

I.—*Registration and Arrangement.*

1. *Greek Series:—*

218 coins, recently acquired, of various parts of the Greek world, have been registered and incorporated.

28 Greek coins from the Cunningham Collection have been registered and incorporated.

432 tickets giving references to the *Catalogue of the Coins of Peloponnesus* have been written and placed in the trays beneath the specimens.

9 coins, hitherto classed as "Uncertain," have been identified.

The duplicate coins have been withdrawn from the Cretan series and placed in one of the cabinets containing Greek Duplicates.

71 electrotypes of rare Greek coins, not in the British Museum, have been made and inserted in their places in the Collection of Electrotypes.

The four cabinets containing the coins of Lydia and Phrygia have been moved from their old position after Cilicia and placed after Caria, in conformity with the order in Head's *Historia Numorun*, with the object of keeping together all the coins of the Roman Province of Asia.

The coins of Ilium in the Troad, and those of Alinda, Antioch ad Mæandrum, and Aphrodisias (autonomous), in Caria, have been re-arranged in chronological order, in pre ration for the Catalogues of Troas and Caria: the specimens in silver have been weighed. Rectifications have been made in

the series of Alabanda in Caria. The Persian Darics have been re-arranged in accordance with the views of M. J. P. Six; the coins of the Kings of Sidon have also been re-arranged in the chronological order proposed by M. Babelon, in his paper in the *Bulletin de Correspondance hellénique*, for 1891.

A series of coins, chiefly Carian, offered for presentation by Mr. W. R. Paton, has been examined, and a selection from it has been made.

Several series of coins, offered by English and foreign coin-dealers, and a selection of Greek imperial coins from the Babington sale, have been examined, and desirable specimens have been selected for purchase.

2. *English Series* :—

48 Anglo-Saxon and English coins, recently acquired, have been registered and incorporated.

In preparation for the *Catalogue of English Coins*, Vol. II., 569 coins of Edward the Confessor have been weighed; the coins of Cnut and Harold I. have been arranged; lists of the moneyers of Harold I., Harthacnut, and Edward the Confessor have been compiled; and 12 plates of casts for the illustrations have been arranged.

Rectifications have been made in the series of English Tokens of the 18th and 19th centuries.

A small collection of Anglo-Saxon coins of Æthelred II. and Cnut has been examined, and a selection from it has been made.

The Treasure Trove from Whaplode, Lincolnshire, has also been examined, and a selection from it has been made.

A hoard of Anglo-Saxon and Oriental coins found in Skye has been examined, and descriptions of many specimens have been written at the request of the Remembrancer of Scotland.

3. *Mediæval and Modern Series* :—

15 coins of the Republic of Brazil and of the French Colonial series have been registered and incorporated.

Selections have been made from a series of mediæval coins, and also from a large collection of early Danish coins offered for purchase.

4. *Oriental Series* :—

52 coins of various Arab dynasties have been registered.

30 coins of the Amawees of Spain have been registered.

43 coins of the Abbásees, the Tooloonees, the Saffárees, &c., have been incorporated.

197 cards giving references to the Catalogue of Persian Coins have been written and placed under the specimens.

642 coins

642 coins of the Bactrian, Indo-Scythic, Sassanian, and Indo-Sassanian series, the Sultáns of Delhi, the Kings of Málwah and Gujarat, of Ancient India, &c., from the Bhagvān Lāl Collection, have been registered and incorporated.

235 coins of various Muhammadan and Hindoo States of India and of the Moghul Emperors of Delhi have been registered and incorporated.

107 coins of the Sassanian, Indo-Sassanian, late Indo-Scythic, and of the Suri dynasties, have been registered and incorporated.

233 coins of Ancient and Mediæval India have been registered and incorporated.

174 coins of the Hindoo and Muhammadan States of India, purchased for the Panjab Archæological Survey, have been incorporated.

A large series of Græco-Indian coins has been examined.

II.—*Acquisitions*, 1891.

CLASS.	Gold.	Silver.	Bronze.	Billon.	Lead.	Glass.	TOTAL.
Greek	16	280	73	–	–	–	369
Roman	4	3	2	–	–	–	9
Mediæval and Modern	3	29	14	12	1	7	66
English	3	61	24	8	–	–	96
Oriental	24	68	74	10	–	–	176
TOTAL	50	441	187	30	1	7	716

Remarkable Coins and Medals.

1. *Greek Series :—*

Syracuse.—A selection of gold coins from a hoard discovered about three years ago near the town of Avola, some three miles south-west of Syracuse. Previous to this find the Syracusan gold ἑκατονταλιτρα were of the highest degree of rarity. The newly-acquired selection comprises 10 varieties, all differing in details, such as letters in the field and small mint-marks, some of which correspond with the symbols on the well-known dekadrachms by the engraver Euainetos, thus proving that the gold coins are contemporary with the silver. In style the heads of Arethusa on the gold coins offer considerable differences, which also correspond with similar differences of style perceptible in the series of the dekadrachms. On some specimens the ethnic appears in the older form ΣΥΡΑΚΟΣΙΟΝ, and on others as ΣΥΡΑΚΟΣΙΩΝ, showing that they belong to the period of transition, at Syracuse, from O to Ω, and therefore to the closing years of the fifth century B.C.

Olbia in Sarmatia.—Two rare specimens of the large bronze cast coinage of this wealthy Milesian colony on the northern coast of the Euxine. Olbia would seem, from this issue of "aes grave," to have been the only town outside Italy and Sicily which made use of bronze, apparently of full weight and value, as money. The occasion of the issue of the Olbian "aes grave" is quite unknown. Judging by style, the dates of these coins can hardly be earlier than circ. B.C. 350. On one specimen is a Gorgon head and the letters APIX; on the other, the full-face head of a goddess and the legend OΛBIH.

Thrace.—A drachm of Seuthes I., King of the Odrysæ, circ. B.C. 400, with the interesting inscription ΣΕVΘΑ KOMMA, "Coin of Seuthes." The Museum has long possessed a didrachm of this king, but up to the present time no drachm was known.

Abdera in Thrace.—Two bronze coins, circ. B.C. 400, one of them with a beautiful head of Apollo on the obverse.

Mende in Macedon.—Eight small silver coins, including a fine tetrobol, circ. B.C. 400–350, stamped with a head of the youthful Dionysos.

Potidæa in Macedon.—An extremely rare tetradrachm, circ. B.C. 500; *obverse*, Poseidon Hippios carrying his trident on horseback to the left; beneath the horse, a star.

Larissa

Larissa in Thessaly.—A bronze coin, circ. B.C. 400, bearing a head of Asklepios, with a serpent in front.

Magnesia in Thessaly.—A bronze coin, B.C. 197–146; *obverse*, Head of Zeus or Asklepios; *reverse*, Asklepios seated.

Orthe in Thessaly.—A very rare bronze coin; *obverse*, Head of Athena; *reverse*, ΟΡΘΙ, Trident in wreath.

Tricca in Thessaly.—A fourth century unpublished bronze coin; *obverse*, Head of Nymph Tricca; *reverse*, Asklepios seated, holding a bird before a coiled serpent; an interesting variety of the Asklepios types already known.

Acarnania.—A silver stater, B.C. 250–167, with new types; *obverse*, Head of bearded Acheloüs; *reverse*, ΑΚΑΡΝΑΝΩΝ, Apollo Kitharoedos; *symbol*, Elephant.

Cyme in Eubœa?—A very rare archaic didrachm attributed by Head (*Hist. Num.*, p. 305) to Cyme in the sixth century B.C.; *obverse*, Hinder part of a horse; *reverse*, Incuse square.

Histiæa in Eubœa.—A very beautiful drachm, B.C. 359–336, superior in style to any specimen previously in the British Museum.

Athens.—A curious archaic drachm with an entirely new obverse type, an object resembling a scarabæus, from the *Photiades Collection.*

A drachm of the series bearing the name of Antiochus IV. (Epiphanes) of Syria, together with his symbol, an elephant's head, struck during his sojourn at Athens, B.C. 175, in which year he apparently held the annual office of στρατηγὸς ἐπὶ τὰ ὅπλα (cf. Th. Reinach 'Les Stratèges sur les monnaies d'Athènes,' in the *Revue des études grecques*, 1888).

A tetradrachm of late date (B.C. 146–87, bearing the names of the two strategi Hikesios and Asklepiades; *symbol*, Wreath.

Patræ in Achaia.—A bronze coin, circ. B.C. 146; *obverse*, A conical chest within an ivy wreath; *reverse*, Artemis. The obverse type is believed to represent the sacred chest in which the statue of Dionysos at Patræ was kept, Διονύσου δὲ ἄγαλμα ἦν ἐν τῇ λάρνακι (*Paus.* vii. 19. 6).

Elis.—An exceedingly rare silver stater, circ. B.C. 400; *obverse*, Eagle devouring serpent; *reverse*, Nike seated on steps holding long palm and olive wreath. This is a new variety of the exquisite Nike Stater of Elis previously in the British Museum.

Epidaurus.—A drachm, B.C. 330–280; *obverse*, Head of Asklepios; *reverse*, Asklepios enthroned, with his hand ex-

 tended

tended over a coiled serpent. Beneath his throne is the dog that guarded him in his infancy. This is a representation of the chryselephantine statue of Asklepios at Epidaurus, the work of Thrasymedes of Paros.

Methydrium in Arcadia.—A rare bronze coin of the fourth century B.C.; *obverse,* Head of Zeus; *reverse,* Kallisto pierced by the arrow of Artemis. On the ground beside her is her child Arkas. The types are of especial mythological interest.

Iulis in Ceos.—A unique hemidrachm; *obverse,* Bunch of grapes; *reverse,* Prow. *From the Photiades Collection* (Imhoof, *Griechische Münzen,* pl. I., 38).

Abydus in the Troad.—A series of ten tetrobols of the fourth century B.C., offering a considerable addition to the list of the names of the eponymous magistrates of the city.

Dardanus in the Troad.—An unpublished tetrobol of the fourth century B.C.

Ilium in the Troad.—An interesting bronze coin of Caracalla, representing a male figure sacrificing at an altar before the Palladium. This figure is identified as Ilos, the legendary builder of Troy, by the accompanying inscription ΙΛΟC.

Cyme in Aeolis.—A silver stater of the third century B.C., weight 162 grains, belonging to a period of which, so far as is known, there are no other specimens; the series of the Cymæan tetradrachms of Attic weight being all of the following century.

Methymna in Lesbos.—A rare silver coin with a Gorgon head on the *obverse,* and a head of Athena on the *reverse. Presented by H. Montagu, Esq.,* F.S.A.

A tetradrachm of the Alexandrine types, circ. B.C. 200; *symbol,* Figure of Arion riding on the dolphin.

Cyzicus in Mysia.—An electrum stater, circ. B.C. 400–350; *obverse,* Apollo riding on a swan, holding in his right hand a laurel branch.

Lampsacus in Mysia.—A gold stater struck, probably, circ. B.C. 350. This piece is of somewhat unusual fabric, and is especially remarkable for its *obverse* type, the head of a goddess wearing a saccos and a wreath apparently of lotus.

Phocæa in Ionia.—Two small electrum coins of the earliest period, stamped respectively with the head of a seal and the head of a ram.

An unpublished archaic tetradrachm (sixth century B.C.), conjecturally attributed by Mr. Head (Cat. *Ionia,* p. 214) to Phocæa. The obverse type is a griffin walking, and the reverse

reverse is an incuse square, precisely similar to those of the earliest coins of other Ionian cities.

Gordiuteichos in Caria.—An extremely rare bronze coin (the second known) of this city; *obverse*, Head of Zeus; *reverse*, ΓΟΡΔΙΟΥΤΕΙΧΙΤΩΝ, Cultus statue of Aphrodite with outstretched hands.

Attuda in Phrygia.—A bronze coin of the second century A.D., on which the local magistrate's name is preceded by the preposition διὰ instead of the usual ἐπὶ.

Myra in Lycia.—A bronze coin of Gordian III., showing the rude cultus-image of Artemis Myrea in her temple.

Perga in Pamphylia. — A hemidrachm of the second century B.C.; *reverse*, ΑΡΤΕΜΙΔΟΣ ΠΕΡΓΑΙΑΣ.

A bronze coin of L. Verus, bearing an interesting figure of Aphrodite arranging her tresses. The lower limbs of the goddess are draped like those of the Aphrodite of Melos. At her feet is an Eros riding on a dolphin as in the case of the Venus de'Medici.

Anazarbus in Cilicia.—A bronze coin of the Emperor Philip Junior; *reverse*, Tyche dropping a pebble into an urn, a type which appears to refer to the Games at Anazarbus that are frequently alluded to on its coins. In the exergue is the inscription **ΚΟΙΝΟΒΟΥ[ΛΙΟΝ]** (Commune concilium).

Tarsus in Cilicia.—A rare silver stater, B.C. 450–400; *obverse*, The King of Persia or a Satrap on horseback; *reverse*, תרז in Aramaic letters, a Greek Hoplite kneeling.

Cyprus.—An interesting silver coin; types, Ram recumbent and Ram's head. The coin shows traces of a Cypriote inscription in which the name of Euanthes, King of Salamis, circ. B.C. 440–430, has been read by M. J. P. Six. (*Revue Numismatique*, 1883, p. 277 ff.)

Parthia.—A collection of 202 silver and three bronze Parthian coins, comprising some tetradrachms of the highest importance, exhibiting fine portraits of some of the earlier Kings of the Arsacid line, combined with dates which can hardly fail to throw much light upon the obscure history of the Parthian monarchy.

Cyrene.—Two unique tetradrachms lately discovered in the island of Cos. On the *obverse* of each is a bunch of grapes, very similar to that which is met with on the coins of Iulis in Ceos. On the reverse of one specimen is a very remarkable running figure with wings at his shoulders and ankles, and carrying a wreath in either hand. On the reverse of the other coin is a crested helmet.

These two coins have been attributed by Mr. Head to

Cyrene, and the winged figure has been identified by him as one of the Boreades. (*Num. Chron.*, 1891, p. 1 ff.)

Cyrene.—A very remarkable and unpublished archaic tetradrachm, circ. B.C. 500; *obverse*, Silphium plant; *reverse*, Gorgon head.

Cyrene.—A tetradrachm; *obverse*, Head of beardless Zeus Ammon; *reverse*, Silphium, a coin of the Samian standard, which supplanted the Euboïc at Cyrene about B.C. 431, when the dynasty of the Battiadæ gave place to a republic.

2. *Roman Series:—*

A medallion in bronze of the Emperor Commodus, with his bust on the obverse, and on the reverse the Emperor seated on a rock; before him stands Castor beside his horse; around P.M.TR.P.XII.IMP.VIII.COS.V.

A medallion in bronze of the Emperor Diocletian, with reverse type, Jupiter seated holding fulmen and resting on sceptre; at his feet, eagle.

An aureus of Hostilian with reverse type, Hostilian standing holding a short staff and spear, and the inscription PRINCIPI IVVENTVTIS.

3. *English Series:—*

A groat and half-groat of the first coinage of Edward III. *Presented by L. A. Lawrence, Esq.*

The silver medal of the Imperial British East Africa Company "for Distinguished Services." *Presented by E. Bentley, Esq.*

4. *Mediæval and Modern Series:—*

A bronze medal conferred by the Senate of Hamburg upon the Brazilian Consul-General, the Vicomte de Paraguassée. *Presented by the Burgomaster, Dr. Carl Petersen, Minister for Foreign Affairs of the Free State of Hamburg.*

The medal of the Academia Romana, Bucharest, for 1891, in bronze. *Presented by the Academia.*

The 50th anniversary medal of the Foundation of the Numismatic Society of Belgium, in silver. *Presented by H. Montagu, Esq.*, F.S.A.

A gold medal awarded to the late John Sutherland, M.D., by the French Government for his services on the International Sanitary Conference of 1851–2, while acting as Delegate for Her Majesty's Government. *Bequeathed to the Trustees of the British Museum by Dr. Sutherland.*

Ten silver and two copper coins of the Lusignan Kings of Cyprus. *Presented by Colonel Falkland Warren*, C.M.G.

Two

Two gold, two silver, two copper, and two nickel coins of the Republic of Brazil, 1889. *Presented by F. Youle, Esq.*

5. *Oriental Series :—*

A series of gold and silver coins of the Amawee Khalifs of Spain, and of the lesser Arab Spanish Dynasties, comprising dinars of Yahya El-Moatelee (Benee Hammood), struck at Ceuta A.H. 424; of Mohammad ibn Saad, struck at Murcia A.H. 542; of Mohammad III. (Grenada), and of Alfonso VIII. of Leon and Castile, with inscriptions in Arabic giving the king's name, place of mintage (Toledo), and date of issue, A.D. 1213.

Two gold, 15 silver, and 68 copper coins of the Indo-Sassanian and late Indo-Scythic series, and of the Pathan Kings and Moghul Emperors of Delhi. *Presented by the Asiatic Society of Bengal.*

A late Indo-Scythic gold coin of the Kida type from the Hardoi district, North-West Provinces. *Presented by the Asiatic Society of Bengal.*

Five silver Gadhia coins found at Chopda Taluka, Khandesh district. *Presented by the Bombay Branch of the Royal Asiatic Society.*

One gold (Fanam) and four silver coins of the Teemoorees, and of Delhi (Firoz III. and Mohammad Akbar II.), and Gujarat. *Presented by the Bombay Branch of the Royal Asiatic Society.*

Twelve rupees of the Moghul Emperors of Delhi, found in the Jubbulpore district. *Presented by the Government of the Central Provinces.*

Fifteen rupees of the Moghul Emperors of Delhi, found at Multan. *Presented by the Government of the Panjab.*

III.—*Catalogues and Guides.*

Greek Series :—

The Catalogue of the Coins of Alexandria, by Reginald Stuart Poole, LL.D., and the Catalogue of the Coins of Mysia, by Warwick Wroth, are in the press, and are just ready for publication.

The Catalogue of the Coins of Ionia, by Barclay V. Head, D.C.L., PH.D., is also in the press.

English Series :—

The Catalogue of English Coins, Vol. II., by H. A. Grueber and C. F. Keary, is in the press.

The second edition of the Guide to the Exhibition of English Medals, by H. A. Grueber, has been published, with a new set of plates.

Oriental Series:—

The Catalogue of the Additions to the Oriental Collection, 1876–1888, Part II., and the Catalogue of Arabic Glass Weights, both by Stanley Lane-Poole, have been published.

The Catalogue of the Coins of the Moguls of Delhi, by Stanley Lane-Poole, is in the press.

IV.—*Exhibitions.*

The series of electrotypes of Greek Coins, has been removed from the North Gallery to a position in the Etruscan Saloon, near the door of the new Medal Room. With this exception, the whole exhibition of coins and medals has been withdrawn for want of space.

V.—*Visitors to the Medal Room and the Gold Ornament Room.*

The number of visitors to the Medal Room during 1891 was 1,727.

The number of visitors to the Gold Ornament Room during 1891 was 19,607.

Reginald Stuart Poole.

VIII.—British Museum (Natural History).

STATEMENT of Progress made in the Arrangement and Description of the Collections, and Account of Objects added to them, in the Year 1891.

General.

Mr. Etheridge.

Mr. Robert Etheridge, F.R.S., Assistant-Keeper of the Department of Geology, has been superannuated under the provisions of the Order in Council of 15th August, 1890. Mr. Etheridge entered the Civil Service of the Crown as Assistant-Naturalist to the Geological Survey of the United Kingdom on the 1st of July, 1857, was appointed Palæontologist to the Survey on the 1st of July, 1863, and was transferred to the office of Assistant-Keeper in the Department of Geology of the British Museum on the 20th of October, 1881. During his period of service at the Museum, Mr. Etheridge has devoted himself to the arrangement of the extensive

extensive collection of Fossil Invertebrata. The whole of the British Mollusca and British Brachiopoda have been mounted, named, and arranged by him.

At the time of his superannuation, Mr. Etheridge was engaged in preparing for exhibition an important stratigraphical collection to illustrate all the British sedimentary rocks, with their characteristic fossils; and the Lords Commissioners of the Treasury have authorised the temporary retention of his services in order to enable him to complete this work.

Swiney Lectures.

Professor H. Alleyne Nicholson selected as the subject for his second course of lectures on the Swiney Foundation, "The Great Agents of Geological Change." The lectures were delivered during October, as in the previous year, and were attended by 2,565 persons, being an average of 214 at each lecture. This is a far larger attendance than these lectures have had since they have been given at the Natural History Museum, a testimony to their increasing popularity. Unfortunately, the want of an adequate room for their delivery has made itself felt. The only room in the building available for the purpose is the library of the Geological Department, which, apart from its general unsuitability as a lecture-room, proved, in the past year, to be far too small, and numbers of persons desirous of hearing the lectures could not be admitted. If the attendance is maintained in future years it will be necessary for the Trustees to take the question of providing a properly constructed lecture-theatre into consideration.

Spirit-Building.

With the concurrence of the Lords Commissioners of the Treasury, an extension has been made, eastwards, of the building for specimens preserved in spirit, situated on the north side of the Museum. This addition has been necessitated in consequence of the rapidity of the growth of these collections. Large collections made during various surveys and expeditions, such as the Transit of Venus and Arctic expeditions, the surveys of Her Majesty's ships "Alert," "Petrel," and "Penguin," and especially the "Challenger" expedition, have been deposited in the Museum. By far the greater part of these consists of specimens preserved in spirit. Moreover, a considerable further increase of such specimens (especially the smaller mammalia and marine animals) must always be expected, in consequence of the changes and improvements continually being made in the methods of zoological investigation. Greater attention is now paid to anatomical cha-

racters, as indicating the true position and affinities of animals, and these are often not exhibited in the dried specimens which formerly sufficed for the needs of the zoologist, but can only be studied in specimens preserved in alcohol.

Bequest.

By the will of the late Dr. R. M'Cormick, Deputy Inspector-General of Hospitals and Fleets, the Museum has become possessed of the collections of Natural History specimens (Animals, Plants, Fossils, and Minerals) made by him in the various Arctic, Antarctic, and other expeditions which he accompanied as Medical Officer and Naturalist in the course of the years 1827–53.

Presents.

No fewer than 1,186 presents (including the bequest just named), many of them embracing large numbers of specimens, were received by the Trustees during the year, showing an increase of 173 over the previous year. The details of all the more important of these will be found in the Reports of the Keepers of the several Departments, but the following may be mentioned here as being of special interest:—

From the Lords Commissioners of the Admiralty.—Three very valuable collections of Zoological Specimens from various localities, made by Mr. J. J. Walker, Chief Engineer of H.M.S. "Penguin," during the surveying operations of that vessel among the islands of the west and north-west coasts of Australia, under Commander W. U. Moore.

From Allan O. Hume, Esq., C.B.—A magnificent collection of horns and heads of Indian Mammals, consisting of nearly 290 heads, many of them of extraordinary development, referable to about 36 distinct species of the Big Game of India and Central Asia. This collection was exhibited by itself for some months, before its incorporation into the general collection, and attracted numerous visitors.

From F. D. Godman and O. Salvin, Esqrs.—A very valuable supplementary collection of Central American *Carabidæ*, consisting of 2,700 specimens, referable to 93 species, 70 of which are described as new to science.

From W. T. Blanford, Esq., F.R.S.—A valuable collection of Indian Mammals, consisting of 180 skins and 67 specimens in spirit, and comprising, amongst the objects of special interest, well-preserved skins of the Sikkim Stag (*Cervus affinis*) and the Snow Antelope (*Pantholops hodgsoni*).

From

From E. E. Green, Esq.—A selection of his collection of Ceylonese Moths, comprising all the specimens that were desiderata in the Museum, 733 in number, and 225 types of species hitherto undescribed, together with the MS. notes of his observations on the metamorphosis of these insects, and his beautiful drawings from life of many of the larvæ.

From S. J. Hawkins, Esq.—A fine collection of Chalk Fossils from Burham, Kent.

From the Council of Trinity College, Dublin.—A portion of the Meteoric Stone which fell at Dundrum, co. Tipperary, in 1865.

From the Royal Swedish Academy of Sciences, Stockholm. —The original editions of 54 Academic Dissertations under the presidency of Linnæus.

From the Royal Society (by desire of the late Mr. H. B. Brady).—A copy of Soldani's "Testaceographia ac Zoophytographia," a rare and valuable work.

Exchanges.

Exchanges of specimens have been made with the following institutions and individuals:—

Of Zoological Specimens.—With the Indian Museum, Calcutta; the Zoological Museums of Berlin, Lisbon, and Paris; Mr. F. Duncan; Mr. A. Fauvel; Mr. E. Gerrard, Jun.; and Mr. Hugh Nevill.

Of Fossils.—With the State Museum of Sweden; Mr. W. Atkinson; Mr. H. W. Burrows; Mr. R. F. Damon; Professor A. Gaudry; Dr. O. Jaekel; Professor O. C. Marsh; Professor H. A. Nicholson; and Mr. B. Sturtz.

Of Minerals.—With the Geological Survey of New South Wales; the School of Mines, Columbia College, New York; the Natural History Museum, Vienna; Mr. F. H. Butler; Dr. T. Egleston; Professor P. Groth; Mr. S. Henson; His Excellency Julien de Siemachko; and Professor J. H. L. Vogt.

Of Plants.—With the Botanic Gardens, Calcutta; the University of Iowa; the Royal Herbarium, Berlin; Professor Bommer; Mr. Scott-Elliot; and the Rev. R. P. Murray.

Duplicates.

A selection of duplicate fossil plants has been sent to Professor J. W. H. Trail, for the University of Aberdeen; and certain duplicate minerals have been presented to Trinity College, Dublin.

Guide-Books.

A new and revised edition of the General Guide has been published, with two plans, two views, and an illustrated cover. Pp. 74, 8vo. 3 *d.*

A "Guide to the Models of British Fungi" is in progress.

Catalogues.

The undermentioned Catalogues have been published during the year :—

Catalogue of the Birds in the British Museum :—

Vol. XIX. Catalogue of the Picariæ in the Collection of the British Museum. *Scansores* and *Coccyges :* containing the families Rhamphastidæ, Galbulidæ, and Bucconidæ, by P. L. Sclater ; and the families Indicatoridæ, Capitonidæ, Cuculidæ, and Musophagidæ, by G. E. Shelley. Pp. xii. 484 ; 13 coloured plates. [With Systematic and Alphabetical Indexes.] 8vo. 1 *l.* 5 *s.*

Vol. XX. Catalogue of the Psittaci, or Parrots, in the Collection of the British Museum, by T. Salvadori. Pp. xvii., 658 ; woodcuts and 18 coloured plates. [With Systematic and Alphabetical Indexes.] 8vo. 1 *l.* 10 *s.*

Illustrations of Typical Specimens of Lepidoptera Heterocera in the collection of the British Museum. Part VIII. The Lepidoptera Heterocera of the Nilgiri District. By George Francis Hampson. Pp. iv., 144 ; 139–156 coloured plates. [Systematic List.] 4to. 2 *l.*

Catalogue of British Hymenoptera in the collection of the British Museum. By Frederick Smith, M.E.S. Second Edition. Part I. Andrenidæ and Apidæ. [Catalogue of British Bees.—New Issue.] Pp. xi., 236 ; 11 plates. [With Systematic and Alphabetical Indexes.] 8vo. 6 *s.*

Catalogue of the Fossil Birds in the British Museum (Natural History). By Richard Lydekker, B.A. Pp. xxvii., 368 ; 75 woodcuts. [With Systematic Index and Alphabetical Index of Genera and Species, including Synonyms.] 8vo. 10 *s.* 6 *d.*

Catalogue of the Fossil Fishes in the British Museum (Natural History). By Arthur Smith Woodward, F.G.S., F.Z.S. Part II. Containing the Elasmobranchii (Acanthodii), Holocephali, Ichthyodorulites, Ostracodermi, Dipnoi, and Teleostomi (Crossopterygii and Chondrostean Actinopterygii). Pp. xliv., 567 ; 58 woodcuts and 16 plates. [With Alphabetical Index, and Systematic Index of Genera and Species.] 8vo. 21 *s.*

Systematic List of the Edwards Collection of British Oligocene and Eocene Mullusca in the British Museum (Natural History), with references to the type-specimens from similar

similar horizons contained in other collections belonging to the Geological Department of the Museum. By Richard Bullen Newton, F.G.S. Pp. xxviii., 365. [With Table of Families and Genera, Bibliography, Correlation-Table, Appendix, and Alphabetical Index.] 8vo. 6 *s.*

Catalogue of the Fossil Cephalopoda in the British Museum (Natural History). By Arthur H. Foord, F.G.S. Part II. Containing the remainder of the Suborder Nautiloidea, consisting of the families Lituitidæ, Trochoceratidæ, Nautilidæ, and Supplement. Pp. xxviii., 407; 86 woodcuts. [With Systematic Index, and Alphabetical Index of Genera and Species, including Synonyms.] 8vo. 15 *s.*

These works have been widely distributed among the Free Public Libraries and other Institutions in Great Britain and Ireland; they have also been presented to many Indian, Colonial, and Foreign Libraries and Museums, and to a number of individuals who have either assisted in the preparation of the catalogues, or been benefactors to the Museum.

Selections of the Natural History publications of the Trustees have been sent to various British, Colonial, and Foreign Institutions, which had expressed their readiness to enter into an interchange of publications.

Messrs. Dulau & Co., of 37, Soho-square, have been added to the list of Agents for the sale of the Natural History publications of the Trustees.

The following Catalogues are in preparation :—

A General Catalogue of the Books in the Departmental and General Libraries.

Catalogue of Birds, Vol. XVI. (Humming Birds, Swifts, and Goatsuckers), by Mr. O. Salvin and Mr. E. Hartert; Vol. XVII. (Kingfishers, etc.), by Mr. R. B. Sharpe and Mr. W. R. Ogilvie Grant; Vol. XXI. (Pigeons), by Count Salvadori; Vol. XXII. (Game Birds), by Mr. Grant; and Vol. XXIII. (Waders), by Mr. Sharpe.

Catalogue of Snakes, by Mr. G. A. Boulenger.

Illustrations of Typical Specimens of Lepidoptera Heterocera, Part IX., by Mr. G. F. Hampson.

Catalogue of British Echinoderms, by Mr. F. Jeffrey Bell.

Catalogue of Madreporarian Corals, by Mr. G. Brook.

Catalogue of British Lichens, by the Rev. J. Crombie.

Catalogue of Fossil Fishes, Part III., by Mr. A. Smith Woodward.

Catalogue of Fossil Cephalopoda, Part III., by Mr. A. H. Foord.

Catalogue of Mesozoic Plants, by Mr. A. C. Seward.

Central Hall.

A new case has been added to those placed in the body of the hall illustrating general principles in Natural History. It contains a beautiful group of ptarmigan, willow grouse, mountain or variable hare, ermine, and weasel, from Norway in their winter dress, showing the adaptation of their colour at that season to that of the snow with which the ground is covered. A group of the same species of animals from the same locality in summer, arranged amid their natural surroundings, is in course of preparation. For these attractive and instructive specimens the Museum is indebted to the cordial aid of Dr. R. Collett, of Christiania. Numerous additions have been made to the morphological series arranged in the alcoves round the hall.

General Library.

The additions to the General Library during the past year have been:—

By purchase - - -	403 volumes.	
By donation - - -	203 volumes	and 40 maps.
By transference from other Departments - - -	6 volumes	and 8 maps.
Total - -	612 volumes	and 48 maps.

All these works have been catalogued, press-marked, stamped, and placed on the shelves.

The extent of this collection on the 31st of December was 21,236 volumes and 3,617 maps.

The revision of the Catalogues of Books in the Departmental Libraries has been continued during the year, with the following results:—

9,445 title-slips have been revised for the Botanical Library,
669 for the Geological Library,
655 for the Mineralogical Library, and
15 for the Zoological Library.

10,784 - - Total.

The work in the General Library, and in the Libraries of the Geological and Mineralogical Departments, has been brought up to date, whilst the cataloguing of the books in the Botanical Library has been very nearly completed, so that, in the coming year, attention will be principally directed to the remaining Departmental Library, that of the Zoological Department.

W. H. Flower.

Department of Zoology.

Like its predecessors, the year 1891 has been signalised by several magnificent donations and important additions, which will be mentioned hereafter; but the two principal events refer rather to the conservation and arrangement of the zoological collections:—

1. The first is the enlargement of the building which contains the collections of specimens preserved in spirit. The building was originally planned so as to allow for a triple increase of the collections accumulated in the Museum at Bloomsbury. However, the increase of these collections in the short period of twelve years far exceeded calculations that had been based upon the experience of former years. It was caused chiefly by the reception of the "Challenger" Collections, the extent of which became known only when they were actually worked out, and is now illustrated by the reports filling more than thirty quarto volumes; by the reception of large series from the International exhibitions; and last, though not least, by the progress of the modern mode of investigation, which requires a larger number of specimens and a more perfect mode of their preservation than that which satisfied the systematic zoologists of two decenniums ago. In consequence, the building, the area of which covered a space of 119 feet by 47, had been filled to overflowing. Great difficulties were experienced by all engaged in the work upon these collections, but they have been removed by a liberal grant made by the Lords Commissioners of the Treasury, which allowed of an extension of the building by 63 feet. The new part is already roofed in, and may be ready for occupation within the next twelve months.

2. The arrangement of the collection of Birds' Eggs. In the old Museum this collection consisted of a small number of specimens of more or less great historical value, and of an imperfect series of deteriorated specimens of the British species, which were exhibited in three table-cases. The first important addition was received in the "Gould" Collection, purchased in 1881; other miscellaneous series followed; and, finally, the magnificent donations of Europo-Asiatic species by Messrs. Godman, Salvin, and Seebohm, and of Indian eggs by Mr. A. O. Hume, added so much to the number of specimens, and imparted such a great value to this collection, that its systematic arrangement could be no longer delayed. At the same time the formation of a perfect series of British Birds' Eggs for exhibition and consultation by the public had become more and more urgent. A requisite grant having been made by the Lords Commissioners of the Treasury, Mr. Seebohm undertook the work of arranging both the general and the British series; and in the course of this year he has made such progress that about 24,000 specimens, belonging to

fifteen families are catalogued and beautifully arranged in thirteen cabinets, and that the British series can probably be opened to the public in the present year.

We proceed now to give a more detailed account of the work done in, and of the additions made to, the several collections of this Department.

I.—*Arrangement.*

1. Additions to the collections of Mammalia have been entered in the catalogues as soon as they were examined and named. The arrangement of the order *Ungulata* has been completed, and the *Hyracoidea* have been taken in hand and thoroughly examined. Manuscript lists of these orders have been completed.

2. In the study-collection of Bird-skins the arrangement proceeds with the progress of the volumes of the Catalogue in course of preparation. But, in addition, all specimens received since the publication of volumes 5, 7, and 8 of the "Catalogue" have been incorporated in the general collection, and the whole of the series treated of in those volumes has been rearranged in glass-topped boxes and labelled in accordance with the nomenclature of the "Catalogue."

3. All additions to the collections of Reptiles and Fishes have been incorporated and entered in the printed catalogues as soon as the specimens were examined and named. Further progress has been made with the arrangement of the collection of Snakes.

4. In the Mollusca the rearrangement of the general collection of Land Shells has been commenced; a very large collection of Marine Shells from Aden has been worked out and incorporated, and in connection with this work many allied species and, in some instances, the entire genera have been studied and the nomenclature determined. The Land Shells of Barbados, the *Unionidæ* of South Africa, and the *Bulimi* of the Galapagos Islands have been worked out, and selections from the large collections made by Mr. J. J. Walker and Dr. Hungerford have been mounted and incorporated. Lastly, a number of new species from the "Challenger" Collection have been described.

5. *Crustacea, Myriopoda,* and *Arachnida.* The Assistant in charge of these collections is still engaged in the examination and determination of the Myriopoda. Of this order the whole of *Chilopoda* are now named and catalogued. Additions to the collection of Scorpions from the Malay Archipelago and other parts of the East Indies have been examined and incorporated.

6. The work in the collection of *Coleoptera* includes the arrangement

arrangement of the genera *Heliocopris, Copris, Phanæus, Eurysternus,* and *Onitis,* and the family *Galerucidæ.*

7. The arrangement of the *Lepidoptera* has made considerable progress. The crowded state of the drawers containing the *Nymphalidæ, Euplœina,* and *Limnaina* rendered necessary a complete rearrangement and expansion of these groups to receive the "Moore" Collection and other numerous additions. The arrangement of the tribes Noctuites and Geometrites has been continued, all corrections of synonymy in the former being entered in the "Catalogue" and published, and a manuscript list of the latter prepared at the same time. The Lepidoptera Heterocera of Ceylon, presented by Mr. E. E. Green, have been incorporated and thoroughly studied with the view to the publication of a complete faunistic catalogue, as stipulated by the donor.

During the progress of rearranging collections which had been previously catalogued many of the specimens are removed from their former position in the cabinets, sometimes to different families. As this may give rise to difficulties for the student who wishes to examine historically important specimens, the plan has been adopted to distinguish such specimens by special labels; and, besides, a list is being prepared, especially of the Walkerian types, showing the position which they occupy at present in the system.

8. The study and labelling of Walker's types of *Syrphidæ* has been completed, and the rearrangement of that family commenced; all the specimens have been remounted so as to bring them up to one standard height. In the collection of British Diptera the specimens of the small families *Hippoboscidæ* and *Oestridæ* have been determined and arranged.

9. Fourteen families of *Orthoptera* have been rearranged and determined, and part of the new species described; the study of the "Green" Collection of Ceylonese *Rhynchota* has been completed, and the new species, amounting to about 100, have been described.

10. The additions to the collections of Echinoderms and Worms have been named and incorporated, and the manuscript list of the former has been kept up to date. The revision of British Echinoderms has been continued. The accessions to the Anthozoa have been named and incorporated, as far as the space at present available permits. A critical examination has been made of the difficult and numerous group of *Madreporidæ,* and some 500 specimens have been named and arranged, after a comparison with the types existing in continental museums.

11. A reference collection for the use of students, consisting of over 2,000 microscopic slides of Polyzoa, has been

formed; the preparation of a manuscript list of the Polyzoa has been commenced, and the series exhibited at the western end of the Coral Gallery has been rearranged.

II.—*Registration.*

The specimens obtained during the year, whether by purchase or presentation, have been entered in the manuscript registers of accessions, and the register numbers attached to them. For future reference the date and mode of acquisition, the exact locality where the specimens were obtained, the name of the collector, and any other particulars of interest respecting them, are entered.

III.—*Conservation.*

As in previous years, the usual work of conservation has been continued by dusting and cleaning, in rotation, the exhibited specimens, placing the study-collections of small Mammalia, Bird-skins, Shells, Dried Sponges, Corals, Echinoderms, and Polyzoa in glass-topped boxes, renewing the camphor in the wall-cases, store-cabinets, and some of the insect-drawers, and the spirit of the collections preserved in alcohol. Of other work coming under this heading the following should be specially mentioned:—

1. The specimens of Mammalia mounted for exhibition were chiefly Game-animals, viz.: a Grant's Gazelle (*Gazella grantii*); a Thomson's Gazelle (*Gazella thomsoni*); a Pelzeln's Gazelle (*Gazella pelzelni*); a pair of the singularly long-necked Gerenook Gazelle (*Lithocranius walleri*); a Pookoo Antelope (*Kobus vardoni*); a Himalayan Argali (*Ovis hodgsoni*); a Shapoo (*Ovis vignii*); a hairy-fronted Muntjac (*Cervulus crinifrons*); and a Central American Brocket (*Coassus sartorii*); also the skeleton of a Pacific Grey Whale (*Rhachianectes glaucus*).

One hundred and forty heads of the Hume Collection have been mounted on blocks and distributed between the Osteological and Mammalian Galleries.

2. In consequence of the long interruption of work in the carpenters' trade, none of the new cabinets intended for the general collection of Skins and Eggs of Birds were received during the year; hence only the specimens of the family of Gulls could be transferred from store-boxes to drawers; but two large cabinets were secured for the exhibition of a collection of British Birds' Eggs, with the drawers constructed for the use of visitors, in the same manner as in the collection of Lepidopterous larvæ.

To

To ensure the identification of individual eggs, their origin and date of acquisition has been written on them by one of the attendants before their incorporation in the general collection.

Only two groups have been added to the series illustrating the nesting habits of British Birds, viz., Rook and Eider Duck.

3. Several large Rays from Muscat, and a gigantic Perch (*Serranus gigas*) from New South Wales, have been mounted for the Fish Gallery.

4. In the Shell Gallery a fine example of a *Teredo* has been placed on exhibition in a glass tube, $2\frac{1}{2}$ feet long, whilst numerous interesting types were added to the series in the table-cases.

5–9. The following specimens have been set up for the wall-cases in the Insect Gallery: a singular nest of a White Ant (*Termes*) from Sierra Leone; a nest of a Tree Ant (*Œcophylla smaragdina*) from Calcutta; a nest of a Wasp (*Vespa sp.*) from Missouri; and a nest of a Bee (*Trygona amalthœa*) with cacao-pod, showing the injury caused by this insect, from Berbice.

10. Numerous additions have been made to the exhibited series of British Echinoderms, of which a fine specimen of *Luidia ciliaris* in spirit may be mentioned particularly. The exhibited collection of *Antipatharia* has been rearranged and extended, and a set of specimens in spirits has been mounted and put on wall-brackets. The exhibited series of *Balanophyllia* has been revised. Two very interesting masses of Coral growths of various kinds have been set up, and will shortly be exhibited; handsome examples of *Madrepora muricata*, of *Madrepora echinata*, and of *Melitodes virgata* have been mounted for exhibition, and a well-preserved example of *Virgularia mirabilis* has been added to the British Room. Many specimens of stony Corals, which, owing to their fragile nature, were received broken, have been repaired.

11. A small series of Hydrozoa has been mounted and arranged for exhibition.

IV.—*Duplicates.*

No duplicates were distributed as presents among museums; but 12 Mammals, 292 Birds, 84 Reptiles, and 57 Fishes were sent, in exchange for equivalent sets, to the Museums of

Leyden, Berlin, Lisbon, Paris, and Calcutta; also a number of "Challenger" duplicates were utilised in exchange for other deep-sea animals with the Museums of Copenhagen and Calcutta.

V.—*Departmental Library.*

The Departmental Library has acquired, by purchase, presentation, or exchange, 38 works in the same number of volumes, besides 681 new numbers of periodicals and works in progress; of the latter, 49 volumes have been completed within the year. The total number of works now in the Library is 9,789, represented by 15,705 volumes.

All the additions during the year have been entered in the Purchase Book, catalogued, press-marked, stamped, and placed; 137 volumes have been bound.

VI.—*Catalogues.*

The following Catalogues have been issued during the year 1891:—

1. Catalogue of Birds, Vol. XIX., Picariæ (8vo. 484 pp., 13 plates), by P. L. Sclater and G. E. Shelley.

2. Catalogue of Birds, Vol. XX., Psittaci (8vo. 658 pp., 18 plates), by T. Salvadori.

3. Illustrations of typical specimens of Lepidoptera Heterocera, Part VIII.—The Lepidoptera Heterocera of the Nilgiri District (4to. 144 pp., 18 plates), by G. F. Hampson.

In addition to the above works, Vols. XVI. and XVII. of the "Catalogue of Birds" are in the press, and the manuscripts of Vols. XXI, XXII., and XXIII. of the "Catalogue of Birds," the "Catalogue of Snakes," "Illustrations of Typical Lepidoptera Heterocera," Part IX., a "Catalogue of British Echinoderms," and a "Catalogue of Madreporarian Corals," are in course of preparation.

The following are the most important reports or descriptive papers which have been prepared by the departmental staff, in connection with various parts of the collection, especially recent acquisitions, and have been published in scientific journals:—

1. "On some Antelopes collected in Somali-land by Mr. T. W. H. Clarke;"

W. H. Clarke;" "Descriptions of three new Bats in the British Museum Collection"; "Descriptions of three new Gerbillus in the British Museum"; by O. Thomas.

2. "Diagnoses of new species of Birds from Central East Africa"; "Scientific Results of the Second Yarkand Mission, Aves"; by R. B. Sharpe. "Corrections and Additions to Notes on some Birds obtained at Madeira"; by W. R. O. Grant.

3. "Tenth and Eleventh Contributions to the knowledge of the Fauna of Madagascar"; by Dr. Günther. "Catalogue of the Reptiles and Batrachians of Barbary (Morocco, Algeria, Tunisia)"; "Reptiles and Batrachians from the Andes of Ecuador"; "Descriptions of new Oriental Reptiles and Batrachians"; "On new or little-known Indian and Malayan Reptiles and Batrachians"; "On Reptiles, Batrachians, and Fishes from the Lesser West Indies"; "Notes on the Osteology of *Heloderma horridum* and *Heloderma suspectum*, with Remarks on the Vertebræ of the Lacertilia"; "Descriptions of a new genus of Iguanoid Lizards"; "On the Galapagos Lizards of the genus *Tropidurus*"; "On the presence of pterygoid Teeth in a tailless Batrachian (*Pelobates cultripes*)"; "Contribution to the knowledge of the Races and geographical Distribution of *Rana esculenta*"; "Description of a new European Frog"; "An Account of the Siluroid Fishes of the Province Rio Grande do Sul, Brazil"; by G. A. Boulenger.

4. "On a Collection of Marine Shells from Aden, with Remarks upon the Relationship of the Molluscan Fauna of the Red Sea and the Mediterranean"; "A List of the Land and Freshwater Shells of Barbados"; Remarks upon the genus *Pythina* of Hinds, and the species which have been referred to it, upon *Mysella* of Angas, and the description of a new species of *Mylitta*"; "Notes on African Mollusca: (1) *Unionidæ* of South Africa, (2) *Demoulia*, (3) *Neothauma*"; "Descriptions of new species of Shells from the 'Challenger' Expedition"; "Notes on some Shells recently received by the British Museum"; "Descriptions of three new species of *Helix* from New Guinea"; "Remarks upon the Molluscan Fauna of British Central Africa"; Report on the Land Shells of Torres Straits"; by E. A. Smith.

5. "On the *Myriopoda* of Burma, Part I."; "Report on the *Oniscomorpha* collected by Sr. L. Fea, by Mr. E. W. Oates, and by the late Sr. G. B. C. Cermotto"; "Report upon the *Chilopoda* collected by Sr. L. Fea and Mr. E. W. Oates"; "Notes on the Synonymy of some species of *Scolopendridæ*, with descriptions of new genera and species of the group"; "Descriptions of new species of *Chilopoda*"; "Descriptions of some new *Geophilidæ* in the Collection of the British Museum"; "On some Old World species of Scorpions belonging to the genus *Isometrus*"; by R. I. Pocock.

6. "New Scarabæidæ in the British Museum, Parts 4 and 5"; by C. O. Waterhouse. "Notes on Longicornia of the group *Cerambycinæ*, with descriptions of new genera and species"; "Descriptions of new species of *Oides*"; "On the South American species of *Diabrotica*, Part II."; by C. J. Gahan.

7. "On the so-called *Erastria venustula* of Europe"; "Description of a new genus for the reception of the North American Moths, hitherto referred to *Telesilla* of Herrich-Schäffer"; "Notes on the Synonymy of Noctuid Moths"; by A. G. Butler. "Descriptions of new genera and species of *Pyralidæ*"; by W. Warren.

9. "Catalogue of the described Hemiptera Heteroptera and Homoptera of Ceylon, based on the collection formed by Mr. E. E. Green"; "A Revision of the *Forficulidæ*, with descriptions of new species in the British Museum"; "Notes on the Orthopterous Family *Mecopodidæ*"; "On the *Phasmidæ* of Madagascar, with the description of a new genus and species in the Collection of the British Museum"; "On some *Neuroptera Odonata* collected by Mr. E. E. Green"; "On the genus *Xanthospilopteryx*"; by W. F. Kirby.

10. "Stray Notes on the Nomenclature of some British Starfishes"; "Some Notes on British Ophiurids"; "On the Arrangement and Inter-relation of the Classes of the Echinodermata"; "Contributions to our knowledge of the Antipatharian Corals"; by F. J. Bell. "Descriptions of new species of Madrepora in the collection of the British Museum"; by G. Brook.

Finally, the following works, one written by an author not connected with the Museum, the other written by a member of the staff in his extra-official time, should be referred to as being largely based upon the collections in the Museum :—

"The Fauna of British India, Mammalia, Part II."; by W. T. Blanford. Lond. 8vo.

"Monograph of the Paradiseidæ, Part I."; by R. B. Sharpe. Lond. fol.

VII.—*Acquisitions.*

During the past year the Department has been increased by the addition of 48,771 specimens, which are distributed among the various branches as follows :—

	By Presentation.	By Purchase.	By Exchange.	TOTAL.
Mammals — Hume Collection of heads and horns	223	—	—	223
Mammals — Blanford Collection of skins and spirit specimens	247	—	—	247
Mammals — Other sources	235	105	13	353
Birds — Salvin and Godman Collections (7th instalment)	5,095	—	—	5,095
Birds — Seebohm Collection of eggs	5,017	—	—	5,017
Birds — Other sources	1,903	315	553	2,771
Reptiles	447	200	113	760
Batrachians	431	103	154	688
Fishes	1,097	545	130	1,772
Mollusca — Hungerford Collection	—	1,052	—	1,052
Mollusca — Other sources	3,705	1,470	52	5,227
Polyzoa	116	—	13	129
Crustacea	412	115	60	587
Arachnida	427	124	9	560
Myriopoda	384	20	1	405
Insecta — Salvin and Godman Collections (9th instalment)	3,526	—	—	3,526
Insecta — Gorham Collection	—	790	—	790
Insecta — Walker Collection	4,813	—	—	4,813
Insecta — Moore Collection	—	926	—	926
Insecta — Green Collection	760	—	—	760
Insecta — Other sources	10,347	1,439	19	11,805
Vermes	122	12	15	149
Echinoderms	228	70	28	326
Sponges	174	5	8	187
Anthozoa	366	94	31	491
Hydrozoa	70	28	8	106
Protozoa	6	—	—	6
TOTAL	40,151	7,413	1,207	48,771

as compared with 77,658 in the year 1890.

69,270	„	1889.
44,087	„	1888.
65,199	„	1887.
36,358	„	1886.
123,358	„	1885.
45,574	„	1884.
31,466	„	1883.
19,902	„	1882.

The most important acquisitions were the following:—

1. The celebrated collection of heads and horns of the Big Game of India and Central Asia, formed and presented by A. O. Hume, Esq., C.B. This collection consisted of two hundred and twenty-three heads, referable to about thirty-six species, besides a number of duplicates. Many of them are of extraordinary development, and of a size but rarely attained by those animals. After having been exhibited for some months in one of the corridors of the Museum, the specimens are now being mounted for the Mammalian and Osteological Galleries.

2. A most valuable collection of Indian Mammals, consisting of one hundred and eighty skins and sixty-seven specimens preserved in spirits; presented by W. T. Blanford, Esq., F.R.S. This collection contains several extremely rare animals, as the Sikkim Stag (*Cervus affinis*), and part of the materials used by the donor in preparing his work on Indian Mammals.

3. The seventh instalment of the Salvin-Godman collection of Birds, referred to in the Report for 1885. This series consists of five thousand and ninety-five specimens, and contains three types and twenty-seven species new to the collection.

4. The first instalment of a collection of Birds' Eggs, comprising upwards of five thousand specimens, belonging to the following families: *Spheniscidæ, Procellariidæ, Alcidæ, Laridæ, Charadriidæ, Turnicidæ, Gallinæ, Rallidæ, Ardeidæ, Colymbidæ, Podicipetidæ, Anatidæ, Pelicanidæ*, and *Accipitres*; presented by Henry Seebohm, Esq.

5. The Lords of the Admiralty have presented two other consignments of zoological specimens collected by J. J. Walker, Esq., Chief Engineer of H.M.S. "Penguin," under the command of Commander W. U. Moore. The specimens were collected chiefly in Tasmania and on the North-West Coast of Australia, and include a particularly valuable series of Coleoptera, an order of Insects to which the collector pays particular attention; but he by no means neglected his opportunities of preserving

preserving specimens of other orders, as the following list of them will show: twenty-eight Reptiles, including the type of a new Lizard; seven hundred and fifty-three marine Mollusca, thirty-seven Polyzoa, ninety-three Brachyura, sixteen Arachnids, five Myriopods, three thousand eight hundred and twenty-five Coleoptera, nine hundred and eighty-six other Insects, and forty Echinoderms.

6. Sir George Baden-Powell, M.P., K.C.M.G., has presented the zoological specimens obtained by him on the occasion of his recent visit to Behring's Sea. They include a set of skins and skeletons of the Fur-Seal of Prybilov Island, and other Mammalia, fifty-nine Fishes, and some Invertebrates, all of which were a most welcome contribution to the Museum, in which the fauna of the North Pacific is but poorly represented.

7. Skeletons of two very remarkable types of Cetaceans, viz., of the Right Whale of the North Atlantic (*Balæna biscayensis*), the species hunted and nearly exterminated by the Basques between the twelfth and sixteenth centuries; and of the North Pacific Grey Whale (*Rhachianectes glaucus*), of which no specimen had previously reached Europe; purchased.

8. The collection of Eggs of *Laridæ*, formed and presented by Howard Saunders, Esq., five hundred and one in number. This is one of the most important collections of this family, all the specimens having been authenticated by the donor himself as regards origin, locality, and other particulars.

9. The ninth instalment of Central American Coleoptera, comprising a supplementary series of *Geodephaga* described by Mr. H. W. Bates in the Transactions of the Entomological Society, and consisting of ninety-three species represented by two thousand seven hundred and three specimens, of which seventy are types; further, the original series of eight hundred and twenty-three *Throscidæ* and *Eucnemidæ*, described by Dr. G. Horn in the Biologia Centrali-Americana; presented by F. du Cane Godman, Esq., F.R.S., and Osbert Salvin, Esq., F.R.S.

10. The important collection of Coleoptera, of the family *Endomychidæ*, formed by the Rev. H. S. Gorham, with additions from the collections of Mr. G. Lewis and Mr. H. W. Bates. This series consists of seven hundred and ninety specimens, one hundred and forty-five species, and ninety-one types; purchased.

11. The collection of Indian Butterflies of the groups *Limnaina* and *Euplœina*, formed by Mr. F. Moore; consisting of nine hundred and twenty-six species and ninety types; purchased.

12. A collection of Lepidoptera from Pundaloya, Ceylon,

consisting of seven hundred and thirty-three specimens, and containing about two hundred and twenty-five types of new species; also thirty *Tipulidæ*, two specimens of a new species of *Oscinis*, with its Hymenopterous parasite and a tea-leaf mined by it; presented by E. E. Green, Esq.

13. One hundred and fifty-eight types of species of Lepidoptera, described by the donor, with numerous other species which were either entirely new to the collection or required towards completing the series; presented by Colonel Charles Swinhoe.

14. A series of Insects in amber, consisting of five hundred and eighty-four pieces; purchased.

Mammalia.—The additions to this class during the past year were eight hundred and twenty-three, of which the following are most worthy of note :—

Two Moriori skulls from the Chatham Islands; presented by Captain C. H. Kempson.

Three skulls of Cebu Islanders from the Philippines; presented by J. S. Dyason, Esq.

Twelve Mammalia from various localities, including two (*Cercopithecus büttikoferi* and *Cynopterus trachyotis*) new to the collection; received in exchange from the Leyden Museum.

Twenty-six small Mammalia from Algeria and Tunisia; presented by Dr. John Anderson, F.R.S.

The skulls of three wild Sheep and seven small Mammalia from the Pamir; presented by St. George Littledale, Esq.

Three small Mammalia from Sze-chuen, including the types of two new species (*Hipposiderus pratti* and *Microtus chinensis*); collected by A. E. Pratt, Esq.

Five Mammalia from the Corea; presented by Charles W. Campbell, Esq.

The skeleton of a European Beaver (*Castor fiber*) from the Lower Elbe; presented by Lord Lilford.

The head of a wild Boar (*Sus scrofa*) from Amur Land; presented by the Hon. Walter Rothschild.

Five Mammalia from Muscat, including the type of a new variety of *Hyrax*; presented by Surgeon-Major A. S. G. Jayakar.

Ten Mammalia from Somali-land, including the head and several perfect skins of a new Antelope (*Ammodorcas clarkii*); presented by F. W. H. Clarke, Esq.

Four Bats from Lagos, including the type of *Vesperus moloneyi*; presented by His Excellency Sir C. A. Moloney, K.G.M.G.

Eight *Muridæ* from the Congo; presented by Miss Macomish.

Three Antelopes (*Kobus vardoni*, *Gazella grantii*, and *Gazella thomsoni*) from Masai-land; presented by F. J. Jackson, Esq.

Skulls

Skulls of five Antelopes from Somali-land; presented by Colonel Arthur Paget.

Ten Mammalia from North Borneo, collected by Charles Hose, Esq.; purchased.

The type specimen of a new Gibbon (*Hylobates hainanus*) from Hainan; received from W. T. Lay, Esq.

Skins of a Yak (*Bos grunniens*) and of two Chiru (*Pantholops hodgsoni*) from Ladak; presented by H. C. V. Hunter, Esq.

The typical horns of *Cervus schomburgki* from Siam; presented by the Science and Art Department.

The head of a Nylghai (*Boselaphus tragocamelus*) from Jullunder; presented by G. A. Carmichael, Esq.

Skeletons of *Kogia breviceps* and *Prodelphinus microps* from Trincomalee; presented by Hugh Nevill, Esq.

Six small Mammalia from Trinidad; presented by J. H. Hart, Esq., F.L.S.

Four Bats from Dominica, including the type of *Stenoderma nichollsi*; presented by the West India Exploration Committee.

Ten Rodents from Guatemala; presented by F. D. Godman, Esq., F.R.S., and O. Salvin, Esq., F.R.S.

Birds.—Besides the collection of Eggs presented by Mr. Seebohm, seven thousand eight hundred and sixty-six specimens of Skins and Eggs have been added to this class. Some of these additions have been already mentioned; of the others the following are the most important:—

Twenty-six Eggs; presented by P. L. Sclater, Esq., F.R.S.

Fifty-four Parrots and fifty Eggs, including the type of *Lorius tibialis;* purchased of the Zoological Society.

Twenty-eight specimens of Game Birds from Argyllshire; presented by F. Menteish Ogilvie, Esq.

Fifty-five Game and Wading Birds from Lincolnshire; presented by J. H. Caton Haigh, Esq.

Sixty Birds from St. Brides, South Wales; presented by the Hon. W. Edwardes.

Twelve specimens from Croatia, including examples of a supposed new species of Shag (*Phalacrocorax croaticus*); presented by Professor S. Brusina.

Twenty-three Birds from various parts of Asia; presented by Henry Seebohm, Esq.

A collection of fifty-six Birds from the vicinity of Muscat; presented by Surgeon Major A. S. G. Jayakar.

Four hundred and eighteen specimens, collected by the late Dr. Stoliczka in Yarkand, during Forsyth's second expedition in 1874; received in exchange from the Indian Museum, Calcutta.

A pair of the Red-billed Curlew (*Ibidorhynchus struthersi*), together with thirty-seven other Birds and Nests from the Pamir; presented by St. George Littledale, Esq.

Ninety-six specimens from the Corea, including *Thriponax kalinowskyi*, a large Woodpecker, new to the collection; presented by C. W. Campbell, Esq.

Thirteen specimens from the Shan Hills, Burmah; presented by Eugene W. Oates, Esq.

A hundred and four specimens of Birds, collected during the Steere Expedition to the Philippine Islands, containing types of *Cryptolopha nigrorum* and *Abrornis olivacea*; obtained by exchange.

Eighty-two specimens from the above-named expedition, containing examples of eighteen species new to the collection; purchased.

A pair of *Loriculus bonapartii*, a species of Lorikeet from the Sulu Islands, new to the collection; presented by the Hon. Walter Rothschild.

A tailfeather of an Argus Pheasant, the type of *Argus bipunctatus*; presented by Edward Bartlett, Esq.

A rare species of Lark (*Spilocorydon hypermetrus*) and a Bunting (*Fringillaria poliopleura*) from Shoa, both new to the collection; received in exchange from the Turin Museum.

Thirty-two specimens from St. Thomas' and Prince's Islands, West Africa, comprising examples of six species new to the collection; presented by Professor Barboza du Bocage.

Sixteen Birds from East Africa, including six new to the collection; received in exchange from the Berlin Museum.

Ten Birds from the Pacific Islands, including two species of Petrel new to the collection; presented by J. J. Lister, Esq.

The type specimen of a new species of Petrel (*Oestreleta cervicalis*) from the Kermadec Islands; presented by Captain Carpenter.

The type of *Erythrura regia*, a Weaver-Finch from Api, New Hebrides; presented by P. L. Sclater, Esq., F.R.S.

Specimens of three Kingfishers of the genus *Tanysiptera* (*Tanysiptera obiensis*, *T. emiliæ* and *T. ellioti*), new to the collection; received in exchange from the Leyden Museum.

Two specimens of a Kingfisher (*Halcyon albicilla*) and of a new species of Honey-sucker (*Cleptornis marchii*) from the Marianne Islands, both new to the collection; presented by the Paris Museum.

Nine specimens of Buzzards, and thirteen other species from Montana and Dakota; presented by E. S. Cameron, Esq.

Three hundred and twenty Skins of Birds from Chili and Tarapacà, including a rare Avocet (*Recurvirostra andina*) and several other species new to the collection; presented by Berkeley James, Esq.

Thirty-four Nests and Eggs from Barbados; presented by Colonel H. H. Feilden, R.A.

Reptiles.—

Reptiles.—To this class seven hundred and sixty additions were made. The following are the most important :—

Twenty-two Reptiles from Austria and Dalmatia; received in exchange.

One hundred and fifty-two specimens from Algeria and Tunisia, including the types of a new Lizard (*Chalcides boulengeri*) and a new Viper (*Vipera libetina*, var. *deserti*); presented by Dr. John Anderson, F.R.S.

A Gecko new to the collection (*Tropiocolotes tripolitanus*) from Tunisia; received in exchange.

A Lizard new to the collection (*Lacerta simonyi*) from the Roques del Zalmor, near Hierro, Canary Islands; purchased.

Fifty-nine specimens from Transcaspia, including examples of a Lizard (*Ophiomorus brevipes*) new to the collection; obtained partly by purchase, partly by exchange.

A Lizard and two rare Snakes (*Coluber schrenckii*) from the Corea; presented by C. W. Campbell, Esq.

Seven Reptiles from the Province Sze-chuen, collected by A. E. Pratt, Esq.; purchased.

Forty-three specimens from Baluchistan and India; presented by W. T. Blanford, Esq., F.R.S.

Fifteen specimens from Southern India; presented by Dr. J. R. Henderson.

Two specimens of a Snake new to the collection (*Typhlops thurstonii*) and a rare species (*Melanophidium punctatum*), from Malabar and Travancore; presented by H. S. Ferguson, Esq.

Twenty-five specimens from near Toungoo, and twenty from the Shan States; collected by E. W. Oates, Esq.

A rare Python (*P. curtus*) from Malacca; purchased.

Twenty-one specimens obtained by Dr. Modigliani in Sumatra, including types of several new species to be described by the Marquis G. Doria; received in exchange from the Genoa Museum.

Fifteen specimens from Mount Dulit, Borneo, collected by C. Hose, Esq.; purchased.

Type specimens of *Gymnodactylus baluensis*, *Peltura-gonia cephalus*, and *Tropidonotus flavifrons* from Mount Kina Balu, Borneo; received from the Paris Museum.

Twenty specimens from Java; presented by R. Kirkpatrick, Esq.

A new Snake (*Gongylophis muelleri*) from Sennar; presented by Dr. F. Müller.

Fourteen specimens obtained in Somali-land by Sr. Robecchi, among which are two Lizards new to the collection (*Eremias erythrosticta* and *Mabuia hildebrandtii*); received in exchange from the Genoa Museum.

Five specimens from Taveta, East Africa, including a Chameleon (*Chamæleon tavetensis*); presented by Keith Anstruther, Esq.

Eight specimens from Delagoa Bay, among which are two

Snakes new to the collection (*Heterolepis capensis* and *Elapsoidea decosteri*); presented by the South African Museum, Cape Town.

Fourteen specimens from Prætoria, Transvaal; presented by W. L. Distant, Esq.

The type of a new Lizard (*Zonurus jonesii*) from the Murchison Range, Transvaal; presented by C. R. Jones, Esq.

Twenty specimens from South Africa; presented by H. A. Spencer, Esq.

Four specimens from Madagascar, two of which are the types of new species (*Lygodactylus miops* and *Chamæleon longicauda*); purchased.

Seven Lizards from British New Guinea; received in exchange from the Genoa Museum.

Sixteen specimens from St. Vincent, Bequia, and Moustiques, West Indies, among which is the type of a new Gecko (*Sphærodactylus vincenti*); presented by F. D. Godman, Esq., F.R.S.

Fifteen Snakes from British Guiana; presented by the Demerara Museum.

Twelve Snakes from the Province of S. Paulo, Brazil; presented by Mr. A. Thomson.

The type of a new Lizard (*Anisolepis grilli*) from Palmeira, Parana; received in exchange from the Genoa Museum.

The type of a new Lizard (*Aptycholamus longicauda*) from Riacho del Oro, Argentina; received in exchange from the Copenhagen Museum.

Twelve specimens from Tarapaca and South Chili; presented by H. B. James, Esq.

Batrachians.—Six hundred and eighty-eight additions have been made to this class; the following are the most interesting:—

Thirty-eight Larvæ from various localities in Europe; presented by Dr. J. E. Bedriaga.

Twenty-six Larvæ from Denmark; received from the Copenhagen Museum.

Sixteen Larvæ from France; received from M. Héron Royer.

A hundred and five specimens, mostly Larvæ, from Brittany; presented by G. A. Boulenger, Esq.

Nine specimens from the Lac Bleu, Pyrenees; altitude, 6,500 feet; received in exchange.

Thirty Larvæ from the Italian Alps; presented by Dr. C. Camerano.

Larvæ of *Bufo viridis* and *Discoglossus pictus* from Italy; presented by Professor H. H. Giglioli.

Twenty Newts from Corsica and Sardinia; presented by Dr. C. Forsyth Major,

Twenty-seven

Twenty-seven specimens from Algeria and Tunisia; presented by Dr. John Anderson, F.R.S.

Sixteen specimens, mostly from Asia, among which are specimens of two species new to the collection (*Rana camerami* and *Salamandra caucasica*); received in exchange from the Senckenberg Museum.

Four specimens from the Corea, presented by C. W. Campbell, Esq.

Specimens of *Bufo vulgaris* and *Megalobatrachus maximus*, collected by Mr. A. E. Pratt, in the Province of Sze-chuen; purchased.

Eighteen specimens from India and Baluchistan, including examples of a Frog new to the collection (*Rana monticola*) and a second specimen of a recently-described Toad (*Bufo surdus*); presented by W. T. Blanford, Esq., F.R.S.

Five Frogs from Travancore, including the type of a new species (*Ixalus travancoricus*); presented by H. S. Ferguson, Esq.

Seventeen specimens from Toungoo and the Shan States; collected by E. W. Oates, Esq.

Seventeen specimens obtained in Sumatra by Dr. E. Modigliani, among which is a new Toad; received by exchange from the Museo Civico, Genoa.

Type specimens of *Rana paradoxa*, *Rana whiteheadi*, *Ixalus latopalmatus*, and *Rhacophorus acutirostris* from Mount Kina Balu, Borneo; received in exchange from the Paris Museum.

The type specimens of *Rhacophorus macrotis* and *Rana hosei* from Borneo; purchased.

Fourteen specimens from Wotham, Congo; presented by Miss Macomish.

Twelve specimens from Prætoria, Transvaal; presented by W. L. Distant, Esq.

Specimens of a Frog new to the collection (*Hyla congenita*) from British New Guinea; received in exchange from the Museo Civico, Genoa.

Fourteen specimens from St. Vincent, West Indies; presented by F. D. Godman, Esq., F.R.S.

Sixteen specimens from Rio Grande do Sul, Brazil; purchased.

Thirty-one specimens from Parana; received from the Museo Civico, Genoa.

Twenty specimens from Chili; presented by H. B. James, Esq.

Type specimens of *Bufo stomaticus* and *B. luetkenii*; received in exchange from the Copenhagen Museum.

Fishes.—One thousand seven hundred and seventy-two specimens were added to this class during the year; the following are the most important:—

Sixty-nine specimens from the Coast of Ireland; presented by Dr. Grenfell.

A second specimen of *Solea greenii* from off the South Coast of Ireland; presented by the Marine Biological Association.

A hybrid between the Dace (*Leuciscus vulgaris*) and Bleak (*Alburnus alburnus*), British; presented by Dr. A. Günther, F.R.S.

A specimen of *Triglops murrayi* from off Montrose; received in exchange.

A hundred and five specimens from the Mediterranean; presented by Dr. Bovallino.

A Shark (*Echinorhinus spinosus*) from the Mediterranean; purchased.

Eight large Salmonoids from Livonia; purchased.

Seventy-four specimens from various parts of the Russian Empire, including types of several species recently described by Dr. Herzenstein; received in exchange from the St. Petersburg Museum.

Fourteen specimens from the Oural; obtained in exchange.

Twenty-three specimens from Southern Russia and Siberia; received in exchange from the University of Moscow.

Twenty-five specimens from Tsu Shima, an island between Corea and Japan; purchased.

Nineteen specimens from the Bay of Tokio, including types of several species recently described; purchased.

Sixteen specimens from Vladivostock, Victoria Bay; presented by Herr Fridolf Höök.

Thirty-one specimens from the lower Yang-tse, including the type of a new Siluroid (*Pseudobagrus eupogon*); presented by the Shanghai Museum.

Thirty-two specimens from the Province of Sze-chuen, including examples of a Fish new to the collection (*Exostoma davidi*) and several new species, obtained by Mr. A. E. Pratt; purchased.

Forty-five specimens from Muscat, including the type of a new species (*Box lineatus*) and skeletons of large Swordfishes (*Histiophorus brevirostris*) and Tunnies (*Thynnus albacora*); presented by Surgeon Major A. S. G. Jayakar.

Sixty-five specimens from Ceylon; presented by Hugh Nevill, Esq.

Eight deep-sea Fishes from the Bay of Bengal, types of new species described by Dr. Alcock (*Malthopsis luteus, Paradicrolene nigricauda, Alepocephalus bicolor, Harpodon squamosus, Bathyclupea hoskynii*); received in exchange from the Indian Museum, Calcutta.

Four hundred and twenty-one specimens from the Sittang River, Burmah, among which were examples of several species previously unrepresented in the collection; presented by E. W. Oates, Esq.

Twenty specimens collected by Mr. Hose at Baram, Borneo; purchased.

Twenty-eight specimens from Lagos; presented by Sir C. A. Moloney, K.C.M.G.

Seven specimens from Taveta, East Africa; presented by Keith Anstruther, Esq.

Sixteen specimens from South Africa; presented by H. A. Spencer, Esq.

Eight specimens from Mauritius, including a Fish new to the collection (*Pteraclis velifer*) and a new Scorpæna (*S. frondosa*); purchased.

One of the types of a new Fish (*Galaxias nigrothorax*) from Victoria; presented by Dr. A. Dendy.

Eleven specimens from the Kara Sea and Baffins Bay; received in exchange from the Copenhagen Museum.

Two hundred and fifty-seven specimens from California, many of them types of new species described by Dr. and Mrs. Eigenmann; purchased.

Fifty-seven specimens from St. Vincent, West Indies; presented by F. D. Godman, Esq., F.R.S.

Seventeen specimens from Dominica; presented by the West India Exploration Committee.

Fifty-two specimens from Porto Real, Province of Rio Janeiro; purchased.

Eighty-seven specimens from the Province of Rio Grande do Sul, mostly Siluroids, among which were the types of four new species (*Pimelodus cottoides, Otocinclus nigricauda, Bunocephalus iheringii,* and *Trichomycterus minutus*); purchased.

Mollusca.—To this class, including *Tunicata,* six thousand two hundred and seventy-nine specimens were added. In addition to those already mentioned, the following were the most interesting:—

Eighty-nine land and freshwater Shells from various localities, including the original types of twenty-seven species from the collection of Mr. A. E. Craven; purchased.

Eight hundred and forty-six land and freshwater Shells from Northern Italy, named by Professor Carlo de Stefani; purchased.

A fine specimen of *Trochus argenteo-nitens* from Japan; presented by G. B. Sowerby, Esq.

Two hundred and ninety-five land Shells from China; presented by Carl Bock, Esq.

One hundred and thirty-six land Shells from South Formosa; presented by A. Schmacker, Esq.

Sixteen land Shells from Borneo, including types of ten new species; presented by A. Everett, Esq.

Three hundred and eighty-five marine Shells from North Borneo; presented by J. Whitehead, Esq.

A hundred and five land Shells from the Philippine Islands, including several very remarkable forms of *Ennea* and thirty other species new to the collection; purchased.

Two hundred and fifty-six marine Shells from the Persian Gulf, Port Elizabeth, Tasmania, &c.; presented by J. H. Ponsonby, Esq.

Seventy-one marine Shells from Lagos; presented by his Excellency Sir C. Alfred Moloney, K.C.M.G.

Thirty-five land and freshwater Shells from Madagascar, including two fine examples of *Acroptychia æquivoca;* purchased.

The types of eleven species of land and marine Shells from Mauritius and Madagascar, including *Scalaria latifasciata, Ovulum pulchellum, Cyclostoma eugeniæ*, &c.; purchased.

Ninety-three land and freshwater Shells from the Argentine Republic, including *Odontostomus weyenbergii, O. doringi, O. philippii, O. chancaninus*, and others; presented by C. B. Gnorpp, Esq.

A fine specimen of *Turcicula bairdii* from California; received in exchange.

Thirteen land Shells from New Guinea, including the types of *Helix hero, H. œrope*, and *H. ianthe;* purchased.

A very large specimen of a *Teredo* from Brisbane, together with a plank of wood into which it had bored; presented by S. I. Da Costa, Esq.

Three hundred and forty-six marine, land, and freshwater Shells from Australia, New Guinea, Polynesia, &c., comprising numerous species new to the collection; presented by J. Brazier, Esq.

Two specimens of *Ephippodonta macdougalli* and two of *E. lunata* from South Australia; purchased. Also a specimen of the former in spirit; presented by G. B. Sowerby, Esq.

Two hundred and thirteen land Shells from the Tonga Islands; presented by R. B. Leefe, Esq.

Polyzoa.—One hundred and twenty-nine additions have been made to this class; the following may be mentioned:—

Twenty-three Polyzoa from Portland, Dorset; presented by the Rev. S. O. Ridley.

Seventeen species from the Kara Sea; received in exchange from the Copenhagen Museum.

Crustacea.—Five hundred and eighty-seven specimens were added to this class during the year; of these the following are most worthy of note:—

Sixty small forms from the Kara Sea, including species of *Nymphon, Caprella, Hippolyte*, &c.; received in exchange from the Copenhagen Museum.

Fifty-two specimens of Amphipoda from the Irish Sea, including *Podocerus isopus;* presented by A. O. Walker, Esq.

A specimen of *Geryon longipes* from Nice; purchased.

Twenty specimens of *Palæmon, Pagurus*, &c., from British Columbia; presented by the Rev. J. H. Keen.

Ninety specimens of *Cirripedia* from Japan; purchased.

Thirteen

Thirteen specimens of *Oniscidæ* from Brain Islands; purchased.

Sixty-nine specimens from Lagos; presented by his Excellency Sir C. Alfred Moloney, K.C.M.G.

Arachnida.—Five hundred and sixty additions were made to this class; the following were the most important:—

Eighty-eight Spiders from Japan, nearly all being new to the collection; purchased.

Twenty-eight Spiders from Java, including two examples of a rare species of *Thelyphonus;* presented by R. Kirkpatrick, Esq.

Twenty specimens from India, including *Hormurus lævicepsi;* presented by Dr. J. R. Henderson.

Fourteen Spiders from Algeria, including an example of *Galeodes olivieri,* new to the collection; presented by Dr. John Anderson, F.R.S.

Twenty-three Arachnida from Tangier; presented by B. B. Woodward, Esq.

Seventy-one Spiders from South Africa; presented by H. A. Spencer, Esq.

Eleven specimens from near Lake Tanganyika; presented by A. Carson, Esq.

Twenty-two specimens from Lake Nyassa; presented by Miss Sophie M'Laughlin.

Fifty-eight Spiders of the family of *Attidæ* from North America; presented by G. W. Peckham, Esq.

Thirty Arachnida from Queen Charlotte Island; presented by the Rev. J. H. Keen.

Seventeen Arachnida from New Zealand; presented by J. Vaughan Jennings, Esq.

Myriopoda.—Four hundred and five specimens were added to this class; of these the following are most worthy of mention:—

A hundred and one specimens from the South of England; presented by O. Thomas, Esq.

Fourteen specimens from Japan; purchased.

Two specimens of *Scutigera longicornis* from Japan; purchased.

Sixteen specimens from India, including three new species (*Cormocephalus pygmæus* and *Oxyurus tangoricus*); presented by the Madras Museum.

Twenty-six specimens from Algeria; presented by Dr. John Anderson, F.R.S.

Seventeen specimens from Tangier; presented by B. B. Woodward, Esq.

Twenty-eight specimens from Madeira, including two new species (*Cryptops atlantis* and *Geophilus grantii*); presented by W. R. O. Grant, Esq.

Twenty specimens from Lagos; presented by his Excellency Sir C. Alfred Moloney, K.C.M.G.

Eighty specimens from South Africa, including *Cormocephalus cupzipes;* presented by H. A. Spencer, Esq.

Nineteen specimens from Queen Charlotte Island; presented by the Rev. J. H. Keen.

Twelve specimens from New Zealand; presented by J. Vaughan Jennings, Esq.

Insecta.—The total number of specimens acquired during the year amounted to twenty thousand seven hundred and seven; they are distributed among the various orders as follows:—

Coleoptera	11,006
Hymenoptera	1,223
Lepidoptera	6,050
Diptera	939
Mallophaga	21
Neuroptera	448
Orthoptera	440
Rhynchota	580
Total	20,707

In addition to the collections already referred to, the following are the most important acquisitions:—

(From Great Britain.)

Two hundred and sixteen named specimens of British Diptera; presented by G. H. Verrall, Esq.

A Nest of a Humble Bee, probably *Bombus muscorum*, from England; presented by Sir John Lubbock, Bart.

Sixty British Diptera for exhibition in the gallery; purchased.

Eighty Lepidoptera, formerly part of J. F. Stephens' collection, containing the type of *Plusia bimaculata*, all the specimens either reputed British or European; presented by H. T. Stainton, Esq., F.R.S.

Seventy-two Galls formed by Insects of various orders, seventeen types of Neuroptera, Orthoptera, and Hymenoptera, and an Ant's Nest, chiefly British; purchased.

(From Europe.)

Seventeen Insects in amber from Samland; purchased.

Sixty-one Diptera, chiefly from Heidelberg; collected and presented by E. E. Austen, Esq.

Sixty

Sixty Butterflies and three Diptera (*Tabanus ater, Myopa testacea,* and *M. buccata*), chiefly from the Pyrenees; presented by C. Mathews, Esq.

Twenty *Anoplura* from Spain, found on a Bearded Vulture (*Gypaetus barbatus*); presented by Lord Lilford.

One hundred and thirty Diptera, sixty Lepidoptera, and sixty-six Neuroptera, mostly from the Mediterranean region; collected and presented by P. de la Garde, Esq., R.N.

(From North America.)

Two hundred Coleoptera, fourteen Hymenoptera, twenty-five Diptera and Larvæ, seven Neuroptera, five Orthoptera, three Rhynchota, and twelve Thysanura, from Queen Charlotte Island and Inverness, British Columbia; presented by the Rev. J. H. Keen.

Two specimens and one Cocoon of *Platysamia cecropia* from North America; presented by Colonel Charles Swinhoe.

Three rare Butterflies (*Œneis bracei, Œneis subhyalina,* and *Erebia owenii*) from Colorado and Canada; presented by W. H. Edwards, Esq.

The type of a Noctuid Moth (*Mamestra pulverulenta*) from Colorado; presented by Professor J. B. Smith.

(From the West Indies.)

Two hundred Lepidoptera from Sta. Lucia; presented by the West India Exploration Committee.

Forty-four Lepidoptera from Kingston and other parts of Jamaica, including *Antichloris quadricolor, Melanchroia cephise, Antachara albula, Synclera chlorophasma, Palthis asopialis,* and many other species, some of them new to the collection; presented by T. D. A. Cockerell, Esq.

Forty Lepidoptera from Kingston, Jamaica; presented by H. Strachan, Esq.

Sixty-four Coleoptera, seven Hymenoptera, sixty-one Lepidoptera, seven Neuroptera, three Orthoptera, including a specimen of *Scapteriscus didactylus,* and two Rhynchota, including *Cicada gigas,* from Trinidad; presented by W. E. Broadway, Esq.

Thirty-seven Lepidoptera, twelve Hymenoptera, twelve Orthoptera, three Neuroptera, and two Homoptera, from Trinidad; presented by J. H. Hart, Esq., F.L.S.

The type and a second specimen of an Arctiid Moth (*Histiæa meldolæ*) from Trinidad; presented by Professor R. Meldola, F.R.S.

Twenty-seven Lepidoptera, five Hymenoptera, including a specimen of *Hypochinea bispinosa,* one Neuropteron (*Mecistogaster acutipennis*), and thirty-three Rhynchota, from Trinidad; also two specimens of an *Attacus* and four Cocoons from Venezuela; presented by H. Carracciolo, Esq.

(From Central America.)

Twelve Moths and a *Cicada* from Belize, British Honduras; presented by the Rev. J. Robertson.

A specimen of a Butterfly (*Dismorphia virgo*) from Chiriqui; presented by C. O. Waterhouse, Esq.

Two hundred and twenty Coleoptera from Costa Rica; presented by Monsieur H. Pittier.

(From South America.)

A Nest of *Trigona amalthea*, with cacao-pod injured by the same, from Berbice; presented by G. S. Jenman, Esq.

A hundred and forty-five Phytophagous Coleoptera from Sarayacu, Ecuador, collected by the late Mr. Buckley, and named and described by Mr. Jacoby; presented by F. D. Godman, Esq., F.R.S., and O. Salvin, Esq., F.R.S.

Thirty Lepidoptera, chiefly rare species of Geometræ, including several species new to the collection, from Chili; presented by W. Bartlett Calvert, Esq.

Eight Lepidoptera, six Hymenoptera, two Diptera and Larvæ, two Neuroptera, and five Orthoptera, from Chili; presented by H. B. James, Esq.

(From Africa.)

Fourteen Hymenoptera, with a nest of *Polistes gallicus*, eight Orthoptera, and two Hemiptera, from Tangier; presented by B. B. Woodward, Esq.

Eighty-three Lepidoptera, including *Charaxes ameliæ*, *C. smaragdalis*, and other rare species, from Sierra Leone; purchased.

A large Termitarium, twelve Termites, and two Hemiptera (*Lophocephala venusta*) which live in the nest; presented by W. G. Clements, Esq.

Thirty-five Insects of various orders from Durban; presented by Captain Mann.

One hundred and eighty-seven Insects of various orders from different parts of South Africa; collected and presented by H. A. Spencer, Esq.

Six Hymenoptera, six Lepidoptera, three Neuroptera, fourteen Orthoptera, and four Rhynchota, from the Murchison Range, Transvaal; presented by C. R. Jones, Esq.

Five rare Butterflies from Kama's country, and one from Mashonaland, including a specimen of *Cigarites leroma*; presented by C. Barker, Esq.

Twenty Lepidoptera and twenty-two Insects of other orders from Lake Tanganyika; presented by A. Carson, Esq.

Ten Hymenoptera, sixteen Orthoptera, and ten examples of other orders of Insects, from Mombasa; presented by G. Waller, Esq.

A male

A male example of a very rare Saturniid Moth (*Antheræa barcas*), the female only of which was previously known, from the River Shiré, East Africa; also three specimens of the Tsetze Fly (*Glossina morsitans*) and two specimens of *Tabanus latipes* from Witu, East Africa; presented by the Secretary of the Imperial British East African Company.

Sixty-eight specimens of Insects in Gum Copal from East Africa; purchased.

An example of the rare African Brachelytrous Beetle, *Termitobia physogastra;* presented by G. Meyer-Darcis, Esq.

(From Madagascar.)

Thirteen Hymenoptera, eighty-one Lepidoptera, including specimens of *Teracolus zoe, T. mananhari, Charaxes andara, Hypolycæna mermeros,* the male of *Ceranchia cribrelli,* and other rare species, mostly new to the collection, one Cocoon, three Diptera, three Orthoptera, and twenty-six Rhynchota, from Fort Dauphin, Madagascar; purchased.

Nine Cocoons of a Moth (*Ceranchia apollina*) from Madagascar; presented by F. Moore, Esq.

(From Southern Asia and Japan.)

One thousand five hundred Lepidoptera, chiefly of well-known species, but valuable on account of their locality, thirty-four Diptera, thirty-six Neuroptera, eighteen Orthoptera, and eight Rhynchota, from Faō, Bushire, and Karachi; presented by W. D. Cuming, Esq.

A hundred and seventeen Butterflies, eighteen Moths, and thirty-seven Dragon-flies, from Mean Meer, Punjab; collected and presented by Major H. C. Harford.

Sixteen Butterflies, including *Papilio paphus, P. krishna, Prioneris seta,* and *Neptis zaida,* from Darjiling and the Khasia Hills; presented by Arthur Dicksee, Esq.

A hundred and thirty-two named *Formicidæ,* determined by M. Forel, and comprising eighty species, from India and Burma; presented by R. C. Wroughton, Esq.

Two hundred and ninety Lepidoptera from Ceylon, including a very rare Noctuid Moth (*Anophia diphteroides*) new to the collection, and other species required for completing the Museum series; presented by W. B. Jameson, Esq.

Eighty-three Neuroptera, thirty Orthoptera, and fourteen Diptera, from Japan; purchased.

Seventeen Hymenoptera, six Diptera, three Neuroptera, seventeen Orthoptera, and thirty-six Rhynchota, from Tsusima Island, Corean Channel; purchased.

Three Hymenoptera, eighty Lepidoptera, including an apparently new genus of Hawk-moths, an example of *Catocala abamita,* and other rare species, twenty Diptera, and three

Neuroptera, from Foo Chow, China; presented by J. de la Touche, Esq.

Eighty-five Insects of various orders from Bonin Island and Japan; purchased.

A hundred and fifty Moths from Ichang; presented by H. E. Hobson, Esq.

Fifty-seven Neuroptera from Borneo, Java, and Malacca; presented by John Whitehead, Esq.

Twenty-five Butterflies and four Moths from Borneo; presented by Charles Hose, Esq.

Eighty Lepidoptera, including the types of two new genera (*Mydrothauma ada* and *Siglophora bella*), with other species new to the collection; also two Neuroptera, from Sandakan, North-east Borneo; presented by W. B. Pryer, Esq.

(From the Pacific Islands.)

Two examples of *Ornithoptera urvilliana*, from Guadalcanar, Solomon Group; received in exchange.

(From various Localities.)

Seventy-six Lepidoptera and two hundred and sixteen Rhynchota, including ninety-six named British Hemiptera, formerly part of the collection of the late W. Wilson Saunders, Esq.; presented by F. S. Cripps, Esq.

A hundred and eighty Lepidoptera, fifty Hymenoptera, twenty-six Orthoptera, and forty other Insects; presented by Miss Emma Phipson.

An important collection of two hundred and ninety Chrysididæ, comprising one hundred and fifty-one species named by Hr. A. Mocsáry; purchased.

Vermes.—In this class the number of additions were one hundred and forty-nine; the following are worthy of mention:—

Three examples of the curious Tubes formed by *Nothria willemoesii* from Japan; purchased.

Seven specimens of a new species of *Tristomum* (*T. histiophori*); found among the collections bequeathed by the late Deputy Surgeon General F. Day.

Three examples of the musical Earthworm (*Megascolex musicus*) from Batavia; collected and presented by R. Kirkpatrick, Esq.

A series of fifty land Planarians, chiefly representatives of new Victorian species lately described by the donor; also an example of *Peripatus insignis*, and three of the red and blue varieties of *P. leuckarti;* presented by Dr. Dendy.

Echinoderms.—To this class three hundred and twenty-six

six additions were made during the year; the following are the most important :—

Two typical specimens of *Astropecten aciculariis* from Shetland; presented by the Rev. Canon Norman, D.C.L., F.R.S.

Four typical specimens of *Synapta buski;* presented by Professor M'Intosh.

A series of thirteen specimens of *Asterias rubens* from Aberdeen, and six specimens from Sheerness; presented by G. Sims, Esq. and Miss Buchanan respectively.

Eight Echinoderms from the neighbourhood of Plymouth, including a very large and well-preserved example of the delicate *Luidia ciliaris*; purchased.

Five examples of the rare *Zoroaster fulgens,* and three of *Gorgonocephalus eucnemis,* obtained during the cruise of H.M.S. "Triton;" presented by Dr. John Murray, F.R.S.E.

A fine example of *Asterias glacialis* from Loch Craignish; presented by the Hon. A. E. Gathorne-Hardy, M.P.

Forty-five specimens, chiefly from deep water, of Irish Echinoderms, among which are a number of examples of the very interesting Echinothurid, *Asthenosoma*; presented by the Royal Dublin Society.

Twenty-eight Echinoderms from the Kara Sea, among which are *Ophiopleura borealis, Hymenaster pellucidus, Asterias stelliomera,* and *Trochostoma boreale*; received in exchange from the Copenhagen Museum.

A specimen of *Cucumaria glacialis* from the Kara Sea, and one from Spitzbergen; presented by Professor Loven.

Twenty Echinoderms from the South and West Coasts of Iceland; presented by Dr. Grenfell.

The type of *Bathybiaster vexillifer* from the Faroe Channel; received with "Challenger" duplicates.

A *Solaster furcifer,* from Trondhjemfjord; presented by Dr. Bovallius.

Three examples of the rare *Goniaster hispidus*; presented by Dr. Sturm.

Thirty Echinoderms from Japan, including *Cidaris biserialis, Clypeaster japonicus, Echinarachnius mirabilis,* and *Asterina pectinifer;* purchased.

Sponges.—One hundred and eighty-seven specimens were added to this class; the following were the most important :—

Eight Sponges from the Kara Sea; received in exchange from the Copenhagen Museum.

A hundred and twenty-one microscopic preparations of Sponges, illustrating Messrs. Ridley and Dendy's Report on the Monaxonida collected by H.M.S. "Challenger," and twenty-eight specimens of calcareous Sponges of Victoria, illustrating Dr. Dendy's "Monograph of Victorian Sponges;" presented by Dr. A. Dendy.

Anthozoa.—Four hundred and ninety-one specimens were added during the year; the following are especially worthy of mention :—

Two examples of *Epizoanthus paguriphilus* from deep water off the Irish coast; presented by G. C. Bourne, Esq.

Four examples of *Virgularia mirabilis* from Loch Craignish; presented by the Hon. A. E. Gathorne-Hardy, M.P.

Well-preserved specimens of *Dura rosea, Briareum grandiflorum* and *Sarcophyton purpureum* from Trondhjemfjord; presented by Dr. Bovallius.

Twenty-two specimens from the Persian Gulf; presented by W. D. Cuming, Esq.

Forty-six Corals, including some fine specimens of *Fungia,* from Diego Garcia; presented by G. C. Bourne, Esq.

Sixteen examples of *Fungia, Porites,* and other Corals from Singapore; presented by H. N. Ridley, Esq.

Forty-six Corals from Florida and other localities, and a specimen of *Muricea placomus* from Christiansund; presented by Dr. John Murray, F.R.S.E.

Thirty-one Corals from the West Indies, formerly the property of the late Professor Duncan, among which *Parasmilia lymani, Rhizotrochus fragilis,* and *Thecopsammia tintinnabulum* may be specially mentioned; received in exchange.

Thirteen Anthozoa from Torres Straits, and eleven from the Irish Seas, including examples of *Palythoa kochii, Zoanthus coppingeri, Isaurus tuberculatus,* and *Epizoanthus incrustans;* presented by Professor Haddon.

A series of sixty-five anatomical preparations illustrative of the foregoing; purchased.

A fine example of *Melitodes virgata* from Australia; presented by Miss Williams.

A hundred and twenty-two specimens of Madrepora and other stony Corals from Tongatabu; collected and presented by J. J. Lister, Esq.

Hydrozoa.—A hundred and six additions were made to this class; the following may be mentioned :—

Eight Hydrozoa from the Kara Sea; received in exchange from the Copenhagen Museum.

Fifteen specimens of Hydrozoa from the Mediterranean; purchased.

Six fine specimens of *Plumulariidæ* from Madras; presented by Edgar Thurston, Esq.

VIII.—*Visitors and Students.*

The number of visits from persons who have consulted portions of the collection, or who have required attendance or

or assistance, was nine thousand four hundred and forty-three, as compared with :—

9 034	in the year	1890
8,360	„	1889
8,797	„	1888
8,955	„	1887
8,372	„	1886
8,313	„	1885
6,818	„	1884
5,229	„	1883
9,628	„	1882

Albert Günther.

Department of Geology.

I.—*Arrangement.*

A.—Vertebrata.

Fossil Mammalia (Galleries Nos. 1 and 2).—The "Forsyth-Major" Collection of Mammals, from the Island of Samos, has been registered and arranged for study by Dr. Forsyth-Major.

The limb-bones of the Pleistocene *Equidæ* are being mounted on stands and arranged in Wall-case No. 10, Gallery No. 1.

A carapace of *Glyptodon asper* (Burmeister) recently acquired by purchase, from the Alluvial Deposits of the Argentine Republic, Buenos Ayres, has been carefully reconstructed upon a light iron framework, to which the restored tail-sheath of the same animal, together with coloured casts of the fore and hind limbs, the skull and cervical vertebræ of another individual, obtained from the Musée d'Histoire Naturelle, Paris, have been articulated, and the whole mounted upon a stand and placed in a glass-case in Gallery No. 2 (South-east Pavilion).

Mammalia registered, 821.

Fossil Birds (Gallery No. 2).—A very well-preserved skeleton of *Pachyornis elephantopus* (partially restored) has been articulated and mounted in a glass-case in the South-east Pavilion. The entire collection of *Dinornithidæ*, occupying Wall-case No. 23 and Table-case No. 12, has been rearranged and re-labelled in accordance with the recently-published Catalogue of Fossil Bird-remains. The collection of small bones of European Fossil Birds have been arranged in drawers preparatory to labelling in accordance with Mr. Lydekker's Catalogue.

Aves registered, 163.

Fossil Reptilia (Galleries Nos. 3, 4, and 5).—The fine series of Anomodont and Dicynodont Reptilia from the Karoo formation (Trias) of Cape Colony, South Africa, has been mounted and arranged on stands in Wall-case No. 9, Gallery No. 4.

The "Beckles Collection" (containing many valuable and figured Reptilian remains from the Wealden formation, particularly those of *Iguanodon, Hylæosaurus, Megalosaurus, Chelonia,* &c.) has been assorted and registered, and the principal specimens developed, mounted, labelled, and placed in the wall-cases in Galleries Nos. 4 and 5.

The cast of *Lariosaurus Balsami* (Curioni), the original specimen of which was obtained from the Muschelkalk of Lago di Como, Italy, has been framed and glazed and fixed upon the wall at the west end of Gallery No. 4. The specimens in the two Table-cases of Chelonia, Nos. 20 and 21, Gallery No. 5, have been re-tableted and labelled with printed labels according to the published Catalogue.

Reptilian-remains registered during the year 1891, 559.

Fossil Fishes (Gallery No. 6).—Wall-case No. 6 in this Gallery, containing the Crossopterygian Ganoids, the Rhizodontidæ and the Osteolepidæ, has been entirely re-arranged, the specimens being now all mounted on stands with printed labels attached to each. A recently-acquired and very large specimen of *Coccosteus*, from the Lower Old Red Sandstone of Caithness, has been mounted in a glazed frame and fixed upon the west wall of the Fish Gallery, next the case containing the other specimens of that genus.

A very fine example of *Portheus molossus*, and two other smaller fishes from the Chalk of Kansas, have been mounted and framed and placed in wall-cases. Much progress has been made in examining the Mesozoic Ganoid Fishes, and revising the nomenclature, preparatory to the arrangement of the wall-cases containing them.

Fossil Fishes registered during the past year, 445.

Mollusca.—Cephalopoda (Gallery No. 7).

(*a*) *Nautiloidea.*—A specimen of the animal of the recent *Nautilus* (*N. Pompilius*), with its shell, has been mounted under glass and placed upon a bracket between Wall-cases Nos. 1 and 2, together with an explanatory drawing. The mandibles of a recent *Nautilus*, and a drawing of the animal dissected, have been placed in Table-case No. 57.

Two Tertiary and one Cretaceous *Nautili* have been mounted and added to Wall-case No 2.

Eleven *Rhyncolites* have been mounted on tablets and added to Wall-case No. 13.

A drawing of *Actinoceras*, restored, has been added to Table-case No. 57.

(*b*) *Ammonoidea.*—Ten *Baculites* have been mounted on tablets and arranged in Wall-case No. 3.

Seventy-

Seventy-six *Hamites* have been mounted on tablets and arranged in Table-case No. 59, and twenty-one larger specimens in Wall-case No. 3.

Twenty-two *Turrilites* have been mounted and labelled for Wall-case No. 3, and 238 specimens have been prepared tableted, and arranged in Table-case No. 60.

Ninety-five *Scaphites* have been named and mounted upon tablets; eighty-eight being arranged in Table-case No. 63, and seven in Wall-case No. 3; also ten *Macroscaphites* have been mounted upon blocks with printed labels and arranged in the same case. Of specimens belonging to the genus *Crioceras*, 207 examples have been mounted; of these, 179 are fixed on tablets, named and arranged, in Table-case No 63, and twenty-eight on blocks or tablets in Wall-case No. 3.

British Gault *Ammonites:* 114 specimens have been duly named, labelled, and mounted upon tablets; twenty-one in Table-case No. 65, and ninety-three in Table-case No. 66.

Foreign Gault *Ammonites:* 322 specimens have been mounted and arranged in Table-case No. 66; also fifty-two Indian Cretaceous *Ammonites* in the same case.

In Table-case No. 66, 245 specimens of Foreign Neocomian *Ammonites* have been arranged, and 103 have been placed in Table-case No. 67.

Several large Cretaceous *Ammonites* have been mounted on blocks with printed labels and added to Wall-cases Nos. 4 and 5.

Seventy Upper Oolitic *Ammonites* have been mounted and named and arranged on the slope of Wall-case No. 6.

The *Ammonites* have been mounted on blocks and added to Wall-cases Nos. 9, 10, 11, and 12.

Dibranchiata (Table-case No. 58).—A cast in flint of the alveolus of *Belemnitella* has been mounted and added to this case.

The unmounted specimens of Cephalopoda are labelled and arranged in cardboard trays, and placed in drawers beneath the table-cases in which the mounted examples are placed.

Pteropoda.—Fourteen explanatory drawings of recent and fossil Pteropods have been added to Table-case No. 72.

Cephalopoda registered during the past year, 1,200.

Gasteropoda and *Lamellibranchiata* (Gallery No. 8).—Four hundred and forty-three Foreign Palæozoic Gasteropoda, belonging to the families of the *Bellerophontidæ* and the *Pleurotomariidæ*, have been determined, mounted, and temporarily arranged in a small table-case placed in the centre of Gallery No. 8, at the north end.

Two hundred and seventy-nine examples of the same families, from British palæozoic rocks, have been named and mounted and incorporated with the general series of Carboniferous and Silurian Mollusca in the table-cases on the west side of this Gallery.

About 2,800 *Gasteropoda*, from the Paris Basin, have been named, mounted, and arranged in Wall-cases Nos. 3 and 4 (Gallery No. 8).

A most valuable collection of British Post-Pliocene (*non-marine*) Mollusca have been mounted in glass-topped boxes, with printed labels to each, and arranged in a special table-case in the centre, and near the entrance of Gallery No. 8. The specimens have been grouped *geographically*, each locality being indicated by a printed label.

There have been registered during the past year *Gasteropoda*, 3,501; *Lamellibranchiata*, 2,951.

Molluscoida (*Brachiopoda* and *Polyzoa*).—The Brachiopoda from the Cambrian, Ordovician, and Silurian rocks of Europe have now all been labelled and arranged. Those from the corresponding rocks of America and elsewhere have been sorted out and in part labelled.

Six hundred and fifty-one specimens of Foreign Palæozoic Brachiopoda have been mounted upon tablets, named and registered and placed in Wall-case, No. 11. Illustrative diagrams and enlarged drawings have also been prepared and added to this case. A slip catalogue of the Foreign Brachiopoda has been commenced, and 947 slips have been written out.

Detailed work on the "Davidson Collection" of Brachiopoda has been commenced; 1,608 specimens have been registered, mounted, and arranged, in Gallery No. 11, Table-case No. 13. The recent and fossil forms are being grouped together generically, but, to render the former more distinct from the latter, specially prepared printed labels are affixed to all the living species. A slip catalogue of this collection is in course of preparation.

Polyzoa.—The British Polyzoa occupy Table-case No. 84, in Gallery No. 8. The Pliocene, Eocene, and Cretaceous species have been mounted in glass-topped boxes, with printed labels to each, and enlarged drawings to illustrate the structure of the *polyzoarium* and the *zoœcia* accompany the specimens.

The total number of Brachiopoda and of Polyzoa registered during the year amounts to 2,632 specimens.

Crustacea (Gallery No. 8, Wall-case No. 13, Table-cases Nos. 80–83.)—Considerable progress has been made in preparing, mounting, and labelling both the Foreign and British Collections of Fossil Crustacea. The British Eocene, Cretaceous, Oolitic, and Liassic Decapoda are all mounted and arranged in the table-cases, and the fine series of Solenhofen Crustacea (mostly from the "Häberlein Collection") in the adjoining Wall-case No. 13. The *Merostomata* (*Slimonia*, *Pterygotus*, *Eurypterus*, &c.) are partly arranged in Table-case No. 81 and the larger specimens in Wall-cases Nos. 13 and 14.

Part of the *Trilobita* from Dudley (Wenlock Limestone) are mounted upon tablets and placed in Table-case No. 80.

The

The Crustacea not exhibited are labelled and arranged in glass-lidded drawers beneath the table-cases.

Drawings and diagrams illustrative of the various genera have been introduced into the cases to assist the student.

The number of specimens mounted upon tablets, or arranged in the drawers beneath the table-cases, is 4,583.

The number of Crustacea and Insecta registered is 897.

Annelida (Table-case No. 79, Wall-case No. 15, Gallery No. 8).—The Foreign Tertiary and Cretaceous Annelida have been arranged in Wall-case No. 15.

Number of specimens registered, 165.

Echinoidea.—The Foreign Echinoids in Wall-case No. 15 have been arranged.

Asteroidea.—The British Fossil Starfishes in Table-case No. 75 have been revised.

Crinoidea.—Some fine specimens of recent Crinoidea have been mounted in spirit and exhibited in and next to Wall-case No. 18, Gallery No. 8. Some of the Fossil Crinoidea have been re-arranged in accordance with the progress of knowledge of the class, and a few additions have been made to the exhibited series. The latter includes several figured and type specimens.

A general introductory label for the Fossil Echinodermata has been drawn up, printed, and displayed in the Gallery.

The number of Echinodermata registered in the year was 346.

The number of Actinozoa registered in the year was 546.

The number of Protozoa and Rhizopoda registered was 353.

The number of Fossil Plant-remains registered was 232.

Stratigraphical Collection (Gallery No. 11, Wall-cases Nos. 1, 2, 3, 4, and 5).—Considerable progress has been made with the preparation and mounting of specimens for this collection.

Eleven hundred and forty-one rock specimens have been mounted on blocks, and 374 specimens have had printed labels affixed to them. Labels for the whole series have been prepared in MS. ready to be set up in type and printed off.

Rock specimens registered, 381.

Tracks and Markings (Gallery No. 11, Wall-case No. 7).—Twenty-five specimens of tracks and markings have been added to this series.

Ichnites: Fossil Footprints (Gallery No. 11, Wall-cases Nos. 8, 9, and 10).—Three of the wall-cases on the east side of

this Gallery, devoted to Fossil Footprints, have been re-painted, the specimens re-labelled, and some additional foot prints of *Iguanodon* have been framed and added to Case No. 8.

Specimens registered, 25.

Geological Department Library (Gallery No. 9.)

The various additions made to the Library and Collection of Maps, during the past year, have been duly stamped and catalogued, and the books press-marked and placed.

1,250 titles, on slips, have been copied;
200 titles, on slips, have been revised; and
220 new slips have been prepared.

The additions made to the Library in 1891 are as follows:—

By Donation:

Maps	141	
Books	44	
Pamphlets	376	
Continuations	182	
		743

By Purchase:

Maps	52	
Books	35	
Pamphlet	1	
Continuations (volumes)	41	
,, (parts of vols.)	111	
		240
Total		983

Preparation of Catalogues.

Part II. of Mr. Arthur Smith Woodward's "Catalogue of Fossil Fishes," containing the Elasmobranchii (Acanthodii), Holocephali, Ichthyodorulites, Ostracodermi, Dipnoi and Teleostomi (8vo. pp. xliv. and 568, illustrated by 16 plates and 58 woodcuts). was published in January 1891.

Mr. A. S. Woodward has been occupied, during the past year, in preparing materials for Part III. of the same Catalogue. Part II. of Mr. Arthur H. Foord's Catalogue of the Fossil Cephalopoda, containing the remainder of the sub-order *Nautiloidea*, of the families Lituitidæ, Trochoceratidæ, and Nautilidæ, was published in February 1891 (8vo. pp. xxviii. and 408, with 86 woodcuts).

Mr. Foord (assisted by Mr. G. C. Crick) is at present engaged upon the preparation of Part III. of the same Catalogue.

Mr. Richard Lydekker (in April 1891) completed for publication a "Catalogue of the Fossil Birds," in the British Museum (N. H.) (8vo. pp. xxviii. and 368, with 75 woodcuts)

In

In August 1891 Mr. Richard Bullen Newton completed for publication a Systematic List of the Frederick E. Edwards Collection of British Oligocene and Eocene Mollusca in the British Museum (N. H.), with which are included all the "types" contained in the Bowerbank, Brander, Brown, Dixon, Gardner, Mantell, Sowerby, Wetherell, Smith, and other Collections, preserved in the Geological Department (8vo. pp. xxviii. and 366), with a Bibliography and an Appendix on the Correlation of the British with Continental Tertiary Strata; accompanied by a folding table by George F. Harris.

Separate Papers and Memoirs bearing upon the Collection.

The following papers and memoirs descriptive of groups or of specimens, forming part of the Geological Collections, have been prepared by the staff of the Department, and published in various scientific journals.

Mammalia.—On the occurrence of the Saiga Antelope in the Pleistocene Deposits of the Thames Valley (Proc. Zool. Soc., 1890, p. 613, fig. 1).

Reptilia.—Note on the tooth of an extinct Alligator (*Bottosaurus belgicus*) from the Lower Devonian of Ciply, Belgium (Geol. Mag. [Dec. 3], Vol. viii., p. 115).

On a Microsaurian (*Hylonomus Wildi*, sp. nov.) from the Lancashire Coal-field (Geol. Mag. [Dec. 3], Vol. viii., p. 211, fig. 1).

Evidence of the occurrence of Pterosaurians and Plesiosaurians in the Cretaceous of Brazil (Ann. and Mag. Nat. Hist. [6th ser.], Vol. viii., p. 314, figs. 1 and 2).

Pseudotrionyx from the Bracklesham Beds (Geol. Mag. [3] Vol. viii., p. 546).

Pisces.—On some Fish-remains from the Lower Tertiaries and the Upper Cretaceous of Belgium (Geol. Mag. [Dec. 3], Vol. viii., pp. 104–114, pl. iii.).

On some Upper Cretaceous Fishes of the family *Aspidorhynchidæ* (Proc. Zool. Soc., 1891, pp. 629–637, pl. liv., lv.).

The Devonian Fish-fauna of Spitzbergen (Ann. and Mag. Nat. Hist. [6th ser.], Vol. viii., pp. 1–15, pl. i.–iii.).

Note on some dermal plates of *Homosteus*, from the Old Red Sandstone of Caithness (Proc. Zool. Soc., 1891, pp. 198–201, figs. 1-4).

Remarks on the Miocene Fish-fauna of Sardinia (Brit. Assoc. Report, 1891, and Geol. Mag. [3], Vol. viii., p. 465).

Pholidophorus germanicus; Upper Lias of Whitby (Geol. Mag. [3], Vol. viii., pp. 545, 546).

Mollusca.—On the Genus *Leveillia*, with a notice of a new species from the Carboniferous Limestone of Ireland (Geol. Mag. [3.], Vol. viii., pp. 202–209, pl. vi).

Echinoidea.—A revision of the British Cainozoic *Echinoidea* (Proc. Geol. Assoc., Vol. xii., pp. 16–60, pl. i. and ii.).

The Maltese Fossil Echinoidea and their evidence on the correlation of the Maltese Rocks (Trans. Roy. Soc. of Edinburgh, Vol. xxxvi., pp. 585–639, pl. i. and ii.), 1891.

British Fossil Crinoids (IV.). *Thenarocrinus gracilis*, sp. nov., Wenlock Limestone, and note on *T. callipygus* (Ann. and Mag. Nat. Hist. [ser. 6th] Vol. vii., pp. 35–40, pl. i.), 1891.

British Fossil Crinoids (V.), *Botryocrinus*, Wenlock Limestone (op. cit. tome cit. pp. 389–413, pl. xiii.), 1891.

Work of the Mason-Formatore and Assistant Mason.

The tail-sheath and carapace of *Glyptodon asper*, from South America, have been reconstructed and mounted in glass-case for exhibition, by C. Barlow, Mason-Formatore, who has also executed the following works, namely:—

A series of limb-bones of *Mylodon* have been articulated and mounted on stands, and exhibited in Wall-case No. 26, South-east Pavilion.

A new skeleton of *Pachyornis elephantopus* has been placed in Glass-case (S), and the original figured skeleton (described by Owen) has been mounted on a new pedestal and placed in Wall-case No. 23, South-east Pavilion.

Cleaning, repairing, and restoring skull of "Wild Boar" (*Sus scrofa-ferox*) from the Fissure-Deposit, Isle of Portland (part of the "Damon Collection").

Repairing skeleton of "Great Auk" (*Alca impennis*) from Funk Island.

Cleaning, repairing, and mounting skull of *Brontops*, Miocene, Dakota, United States, North America.

Making models of *femora*, &c. of *Glyptodon*.

Modelling missing parts of skeleton of *Pariasaurus Bainii* from the Karoo formation, South Africa.

Removing model of carapace of *Colossochelys atlas* from the west end of Gallery No. 4 to the south end of Gallery No. 5 (Chelonia), and repairing the same.

Repairing cast of *Lariosaurus Balsami*, mounting it in glazed frame, and fixing on wall of Gallery No. 4, near the west end.

Articulating skeleton of a young *Plesiosaurus* from the Oxford Clay (part of the "Leeds Collection").

Cleaning, mending, developing, and re-mounting numerous specimens of Reptilia and Fishes from the "Beckles Collection."

Repairing damaged cast of *Glyptodon* (afterwards exchanged).

Preparing

Preparing moulds of twenty various Fossils in the collection, and making forty-six casts of same, and colouring many casts, for exchanges, or for exhibition in the Galleries.

Transferring and fixing in large frames, for exhibition in Gallery No. 6, skeletons of large fishes *Portheus* and *Empo*, from North America; recently acquired by purchase.

The task of developing in detail the several portions of the remarkably complete example of *Pariasaurus Bainii* from the Karoo Beds, South Africa, and articulating the same for exhibition, has occupied more than a year of highly-skilled and patient work, involving extreme skill in overcoming the difficulties arising out of the intractable nature of the matrix, and its close adhesion to the surface of the bones.

The specimen is still in the hands of the artists engaged by the Royal Society to prepare drawings of the several portions of the skeleton, to illustrate Professor Seeley's paper for the Philosophical Transactions.

Richard Hall, the Assistant Mason, to whose skill the task of developing the *Pariasaurus* was confided, has since developed three skulls of *Dicynodon*, two of *Tapinocephalus*, and a large skull of a new Theriodont reptile not yet described. All these specimens have been obtained from the Karoo formation (Triassic) of South Africa, by Professor H. G. Seeley, F.R.S., assisted by a grant from the Royal Society.

Numerous specimens of rocks, intended to form part of the series of Stratified or Sedimentary Rocks, for Gallery No. 11, have been trimmed and reduced ready for mounting on blocks. Numerous specimens of Fossil Fishes, of Cephalopoda, of Crustacea, of Echinoderms, Corals, and Coal-plants, have been repaired, developed, or mounted, ready for exhibition in the several Galleries. Numerous microscopic sections of organisms have also been prepared and mounted upon glass, and sections of others have been cut and polished, to show their internal structure.

Printing Labels.

A very large amount of work has been accomplished, firstly, in the preparation of labels, and, secondly, in composing and printing the same, mounting them upon wood, and finishing them, ready for the exhibition-cases in the several Galleries.

Thus, for the Mammalia, Aves, Reptilia, and Fishes, 374 separate labels have been prepared, and more than 2,500 copies printed off.

For the Cephalopoda, 157 labels have been composed, and 942 copies printed off.

For the Pleistocene Mollusca (Land and Fresh-water Shells), 135 labels have been composed, and 810 copies printed off.

For the Paris Basin Tertiary (Marine) Mollusca, 314 labels have been composed, and 1,096 copies printed off.

For the "S. V. Wood," the "Edwards," and the "Davidson"

son" *Type* Collections (Gallery No. 11), 1,173 labels have been composed, and 9,974 copies printed off.

For the Echinoidea and Crinoidea, 179 labels have been composed, and 1,045 copies printed off.

For the Stratigraphical cases, 368 labels have been composed, and 2,425 copies printed off.

For the Index Museum, 196 labels have been composed, and 2,737 copies printed off.

Altogether, 2,896 labels have been composed, and 23,022 copies printed off.

In addition to the above work, a very large number of Class-labels, Orders, Families, &c., have been prepared with stencil-plates, mounted, finished off, and fixed in the cases.

Acquisitions. 1. *By Donation.* A.—VERTEBRATA.

1. *Mammalia.*—Three pieces of bone-breccia from Wellington Caves, New South Wales; presented by W. S. Day, Esq.

A molar of *Elephas primigenius* from peat below the Brickearth, Peckham, Surrey; presented by W. V. Doubleday, Esq.

Calvarium and horn-cores of *Saiga tartarica* from the Thames Valley Gravel, Twickenham; presented by J. R. Leeson, Esq., M.D., F.G.S.

Frontlet and antlers of *Cervus elaphus*, with cervical vertebra; presented by F. S. Goodwin, Esq.

Astragalus of *Elephas meridionalis* from the Forest Bed, Cromer; presented by J. Croft, Esq.

A canine tooth of *Trichechus* from the Red Crag, Suffolk; presented by J. Alstone, Esq.

A series of bones from excavations in the Thames Valley Gravels and Brickearth in Buckingham Palace-road, S.W., comprising *Bison priscus*, bovine limb-bones and vertebræ, and portions of antlers of *Rangifer tarandus*; presented by his Grace the Duke of Westminster, K.G., &c. &c.

2. *Reptilia.*—Three fragments of humerus and scapular arch of *Eosphargis gigas* from the London Clay of Sheppey; presented by W. H. Shrubsole, Esq., F.G.S.

A minute marginal plate of an *Emydian Chelonian* from the Lower Greensand, Plaxtol; presented by Professor H. G. Seeley, F.R.S.

A humerus of Pterodactyle, and nine other Reptilia, from the Chalk, Blue Bell Hill, Burham, Kent; presented by S. J. Hawkins, Esq., F.G.S.

The original specimen of *Oolithes Bathonicæ* from the Great Oolite, Hare Bush Quarry, near Cirencester (figured and described by the late Professor Buckman, Quart. Jour. Geol. Soc., 1860, Vol. xvi., p. 108 (woodcut)); presented by the Right Hon. the Earl of Ducie, F.R.S., F.G.S., &c. &c.

3. *Pisces.*

3. *Pisces.*—A cranium of *Diplopterus* and a plate of *Placoderm* fish from the Old Red Sandstone; also a specimen of *Dipterus Valenciennesi* from the Lower Old Red Sandstone of Achanarras, Caithness; presented by J. W. Evans, Esq., D.Sc., F.G.S.

Head of *Synechodus dubrisiensis* (Mackie) from the Grey Chalk of Folkestone; presented by A. S. Woodward, Esq., F.G.S.

A specimen of *Dipterus Valenciennesi* (Sedgwick and Murch.) from the Old Red Sandstone, Achanarras, Caithness; a specimen of *Glyptolepis* and scales of *Osteolepis* from the Old Red Sandstone; also a specimen of *Dipterus* from Holburn Head, Thurso; presented by Mr. Donald Calder.

Fragments of squamation of *Cheirolepis canadensis*, and plate of *Bothriolepis canadensis*, from the Lower Devonian of Scaumenac Bay, Canada; presented by A. H. Foord, Esq., F.G.S.

Spine of *Climatius latispinosus* from the Lower Devonian of Campbellton, New Brunswick; presented by Professor T. Rupert Jones, F.R.S., F.G.S.

Eight specimens of Fish-remains from the Devonian of Spitzbergen; presented by A. S. Woodward, Esq., F.G.S.

Four specimens of Fish-remains from the Oxford Clay, near Weymouth; presented by Major G. E. Rogers.

Three hundred and three Fish-remains from the Chalk, Blue Bell Hill, Burham, Kent; presented by S. J. Hawkins, Esq., F.G.S.

Six teeth of *Odontaspis* and *Oxyrhina* from the Eocene Sandstone, Hengistbury Head, Hampshire; presented by F. J. Richards, Esq.

A tooth of *Cestracion rugosus* from the Lower Chalk, Warlingham, Croydon; presented by G. E. Dibley, Esq.

A dorsal fin-spine of a Cestraciont Shark from the Gault of Folkestone; presented by James T. Day, Esq., F.G.S.

Tooth of *Galeus canis* from the Pleistocene Mud Bed, Selsey; presented by Mr. Alfred Bell.

B.—Invertebrata.

(*a*) *Mollusca.*—A specimen of *Goniatites Henslowi* from the Carboniferous Limestone of the Isle of Man; presented by Miss Caroline Birley.

Ten specimens of *Ostrea* from the Tertiary Rocks of Asia Minor; presented by E. de L. Collinson, Esq.

One hundred and forty-six Gasteropoda, and one hundred and forty-four Lamellibranchiata, from the Post-Pliocene of North Italy and the South of France; presented by Clement Reid, Esq., F.G.S.

Two pieces of Limestone containing *Helices*, Post-Pliocene, Canaries; presented by his Excellency Sir C. Alfred Maloney, K.C.M.G., Governor of Lagos.

Eighty-nine Gasteropoda and nine Lamellibranchiata from the Marine Deposits of Java; presented by Julien Debey, Esq., M.E.

A specimen of *Pleuro-nautilus nodoso-carinatus*, Roemer, from the Millstone Grit Shales, Caston, near Lancaster; presented by A. C. Seward, Esq., M.A., F.G.S.

A specimen of *Trigonia elongata* from the Fuller's Earth, West Bay, Bridport, Dorsetshire; presented by J. F. Walker, Esq., M.A., F.G.S., &c.

Seventy-six Gasteropoda and nineteen Lamellibranchiata from the Post-Pliocene of Brentford and Kew; presented by Mrs. Belt.

One hundred and twenty Gasteropoda and nine Lamellibranchiata from the Post-Pliocene Deposits, Whitehall, S.W.; presented by W. J. Lewis Abbott, Esq., F.G.S.

Seventy-three Cephalopoda, eighty-three Lamellibranchiata, and two Gasteropoda, from the Chalk and Gault, Blue-Bell Hill, Burham, Kent; presented by S. J. Hawkins, Esq., F.G.S.

One hundred and one Gasteropoda and fourteen Lamellibranchiata from various localities, all Post-Pliocene shells; presented by B. B. Woodward, Esq., F.G.S.

Five portions of *Ammonites* from the Jurassic Beds, Somali-land, Marmar Mountains, near Bio Kabobo; presented by J. G. Nicholson, Esq., B.Sc.

(*b*) *Molluscoida*.—Three specimens of Brachiopoda and six Polyzoa from the Post-Pliocene of North Italy and the South of France; presented by Clement Reid, Esq., F.G.S.

A series of Palæozoic Brachiopoda from the Falkland Isles; presented by H. N. Hoffert, Esq., D.Sc., &c.

Sixty-five Brachiopoda from the Chalk Blue-Bell Hill, Burham, Kent; presented by S. J. Hawkins, Esq., F.G.S.

A specimen of *Diastopora* on *Exogyra* from the Gault, Folkestone; presented by George Merritt, Esq.

Impression and counterpart of *Spirifera pennata* from the Devonian Slate Quarries, near Launceston, Cornwall; presented by C. J. Turner, Esq.

Two hundred and three Brachiopoda, comprising *Terebratula*, *Waldheimia*, *Aulacothyris*, and *Rhynchonella*, from the Inferior Oolite, Stoke-Knap, Dorset; presented by J. F. Walker, Esq., F.G.S.

Four *Terebratulæ* and five *Rhynchonellæ* from the Oolite, Longrune-sur-mer, France; presented by B. B. Woodward, Esq., F.G.S.

(*c*) *Insecta* and *Crustacea*.—Forty-two specimens of Fossil Insects from Eocene Shales, Wyoming, and from the Tertiary Lake Bed, Florissant, Colorado; presented by R. C. Hills, Esq.

A series of Palæozoic Trilobites from the Falkland Islands; presented by H. N. Hoffert, Esq., D.Sc.

Three

Three specimens of Cretaceous Crustacea from Blue-Bell Hill, Burham, Kent; presented by S. J. Hawkins, Esq., F.G.S.

Two specimens of Brachyurous Crustacea from the Tertiary of Akita, North Japan; presented by Bryan Clarke-Thornhill, Esq.

Four Crustacea from the Oxford Clay, near Weymouth; presented by Major G. E. Rogers.

(*d*) *Echinodermata.*—Three specimens of *Cyathocrinus* Keokuk Group, Indian Creek, Montgomery Co., Indiana, U.S.A.; presented by C. Wachsmuth, Esq.

A "Pear-shaped Crinoid" from the Niagara Limestone, St Paul's, Decatur Co., Indiana, U.S.A.; presented by F. A Bather, Esq., M.A., F.G.S.

A specimen of *Rhynchopygus Woodii* from the Coralline Crag, Aldborough, Suffolk; presented by W. J. Lewis Abbott, Esq., F.G.S.

A specimen of *Rhynobrissus pyramidalis*, Ag., from China; presented by the late Professor P. M. Duncan, F.R.S., F.G.S.

A malformed specimen of an Echinoid from Greece; presented by H. Skinner, Esq.

Eight slides of Echinoid plates and spines from the Gault; presented by Mr. F. Chapman.

Thirty specimens of Cretaceous Echinodermata from Blue-Bell Hill, Burham, Kent; presented by S. J. Hawkins, Esq., F.G.S.

A cast in flint of *Trigonosemus elegans* (König) from Gravel near Watford; presented by Upfield Green, Esq., F.G.S.

A specimen of *Echinocorys scutatus* from Gravel derived from the Upper Chalk, Sidmouth; presented by Dr. William Radford.

(*e*) *Zoophyta.*—One hundred Fossil Corals from Barbados; presented by G. Firth Franks, Esq., F.G.S.

Eight specimens of Fossil Corals from the Post-Pliocene of North Italy and the South of France; presented by Clement Reid, Esq., F.G.S.

A specimen of *Palæacis*, Lower Carboniferous Limestone, Thornbury Railway-Cutting, Gloucestershire; presented by Spencer George Perceval, Esq.

Twelve Corals from the Miocene of Antigua; presented by Mrs. E. Turner.

(*f*) *Protozoa.*—A specimen of *Stephanella sancta* (Hinde) from the Utica Shale, Montreal-road, Gloucester, Ontario, Canada (figured and described in Geol. Mag., Jan. 1891, p. 22); presented by H. M. Ami, Esq., F.G.S.

Eight specimens of Post-Pliocene Foraminifera from the North of Italy and South of France; presented by Clement Reid, Esq., F.G.S.

A specimen of the Nummulitic Bed (Middle Eocene), Bracklesham, Sussex; presented by Professor T. Rupert Jones, F.R.S., F.G.S.

An arenaceous Foraminifer (*Haplophragmium*) from the Chalk, Croydon; presented by W. Murton Holmes, Esq.

C.—PLANTÆ.

Thirty pieces of silicified Wood from the Miocene of Antigua; presented by Mrs. C. Turner.

Ten Plant-remains from the Carboniferous Limestone of Gwannys-cor, Rhyl, North Wales; presented by E. B. Luxmoore, Esq., F.G.S.

Fifty specimens of Fossil Plants from the Oligocene Basin of Florissant, Colorado (many of the species are described in Professor L. Lesquereux's Tertiary Flora); presented by R. C. Hills, Esq.

Miscellaneous.—Fifteen Concretions from the Magnesian Limestone containing fossil shells (figured and described in Geol. Mag., 1891, pl. xii., pp. 433–440); presented by E. J. Garwood, Esq., B.A., F.G.S.

2.—*By Purchase.* A. VERTEBRATA.

1. *Mammalia.*—A fine skull and lower jaw of *Brontotherium*, sp. with eight vertebræ, from the Lower Miocene, Nebraska.

Twenty-six Mammalian bones from Phosphorite Beds, and sixty-two from the Val d'Arno, and from Sansan; also calvarium and antlers of *Cervus dicranoceros* from the Middle Miocene of Germany.

A tooth of *Mastodon longirostris*, Miocene, Eppelsheim.

One skull of *Hyænodon horridus*, North America.

A series of associated upper molars of *Palæotherium magnum* from the Oligocene Beds, Headon Hill, Isle of Wight.

Several tympanic bones of Cetacea and a tusk of *Trichecus* from the Red Crag of Suffolk.

2. *Aves.*—A complete skeleton of *Pachyornis* (*Dinornis*) *elephantopus* from New Zealand; also casts of bones of *Cnemiornis*.

Eleven Bird-bones from Phosphorite Beds, Caylux, France.

3. *Reptilia.*—A second part of the Leeds Collection, two thousand six hundred and ninety-six specimens of Fossil Reptilia, consisting of remains of *Crocodilia, Ichthyosaurus, Plesiosaurus*, and *Pliosaurus*, &c., all from the Oxford Clay in the vicinity of Peterborough.

A portion of the jaw of a small Turtle and one other bone; also a Reptilian jaw, all from the Purbeck of Swanage, Dorset.

Three large specimens of *Pleurosternum* from Swanage, Dorset.

Twenty

Twenty remains of Reptilia from the Red Chalk of Hunstanton.

Large portions of the skeleton of four individuals of *Iguanodon* from the Wealden of Hastings (all of these specimens have been figured and described by Professor Owen in the monographs of the Palæontographical Society).

Many vertebræ of *Iguanodon*, and one specimen figured and described by Mr. R. Lydekker (Quart. Journ. Geol. Soc.).

A Chelonian head from the Chalk of Folkestone.

The snout of *Ornithocheirus clavirostris* (Owen), and mandible of *Ornithocheirus sagittirostris* (Owen); also a caudal vertebra of *Megalosaurus;* these specimens have been figured and described by Professor Owen in the volumes of the Palæontographical Society.

4. *Pisces.*—One slab with head and part of skeleton of Fish (*Portheus molossus*) from the Chalk of Kansas.

Four specimens of Fossil Fishes, viz., *Empo, Ichthyodectes*, and caudal vertebra of *Portheus*, from the Upper Cretaceous of Kansas; also the jaw of a Fish from the Gault, Folkestone, and a fish-spine from the Kimmeridge Clay.

Upwards of two hundred Fossil Fishes from the Coal-measures of Staffordshire; among others, base of spine of *Orthacanthus, Helodus*, and *Ctenoptychius, Acanthodes, Rhizodopsis, Megalichthys, Cœlacanthus, Gonatodus Molyneuxi, Mesolepis*, and *Platysomus.*

One Fossil Fish (*Eurynotus crenatus*) from the Coal-measures, Scotland.

Seventy-one remains of Fossil Fishes from the Red Chalk of Hunstanton, Norfolk.

Thirty-five Old Red Sandstone Fishes from the Thurso Flagstones, comprising *Coccosteus decipiens, Glyptolepis paucidens, Homosteus Milleri, Coccosteus minor, Homacanthus*, sp. nov., a head of *Dipterus*, and some Acanthodian Fishes.

One figured tooth of *Sandalodus Morrisii*, one tooth of *Streblodus*, three *Cochliodus*, and one *Helodus*, from the Carboniferous Limestone of Clifton.

A unique series of heads and portions of trunks of *Hybodus basanus*, Egerton, from the Wealden of Pevensey.

A fine series of specimens of *Lepidotus Mantelli*, Ag., from the Wealden of Hastings, including two nearly complete fishes.

Several valuable Purbeck Fishes belonging to typical species: *Oligopleurus vectensis*, A. S. W., *Mesodon Daviesi*, A. S. W., *Asteracanthus verrucosus*, Eg., *Lepidotus minor*, Ag., *Pholidophorus granulatus*, Eg., *Aspidorhynchus Fisheri*, Eg.

Some fine slabs of Upper Old Red Sandstone from Dura Den, Fifeshire, with specimens of *Bothriolepis, Glyptolæmus, Holoptychius*, &c.

B.—Invertebrata.

(*a*) *Mollusca.*—Five hundred and seventy specimens of Mollusca from the Palæozoic formations of Scotland.

Twelve *Nautili*, fifteen *Ammonites*, eighteen *Belemnites*, and twenty-eight Lamellibranchiata, from the Upper Lias, Lincoln.

Two hundred and thirty-seven Tertiary Mollusca from the Gironde Basin; three hundred Jurassic Mollusca from l'Aveyron, and eighty Permian Mollusca from Reuss, and sixty-three from the Miocene of Edgehem.

Specimens of *Spondylus santoniensis* and *Hippurites radiosus* from the Senonien; *Cyprina adversa*, Cenomanien, *Argonauta argo*, *A. tuberculata*, and one *Loligo* pen.

One hundred and twenty Cephalopoda, two Gasteropoda, and four hundred and fifty Lamellibranchiata, from the Red Chalk, Hunstanton.

One thousand two hundred specimens of Eocene, Cretaceous, and Oolitic Mollusca, from various localities.

Twelve silicified Mollusca from the Thanet Sands, Faversham, and three Eocene Mollusca from Pegwell Bay.

Two sections of *Goniatites obliquus* from the Devonian Limestone, Barton Quarry, Torquay.

Fifty Mollusca from the Jura; ninety-three small Oolitic Ammonites, and twelve Mollusca from the inferior Oolite near Yeovil; representing *Amberlya*, *Pleurotomaria*, *Lima*, *Cucullæa*, &c.

A specimen of *Mytilus* from the Upper Chalk, Ambersham Common, Midhurst, Sussex.

(*b*) *Molluscoida.*—Nine hundred and twenty-three slides of Microzoa, illustrating forty-two published papers on Polyzoa, by Mr. G. R. Vine.

Sixty-five *Polyzoa* and two hundred and forty-two *Brachiopoda* from the Red Chalk of Hunstanton, Norfolk (the Polyzoa have been described by Mr. G. R. Vine).

(*c*.) *Crustacea* and *Insecta.*—Three hundred and ten Mesozoic and Palæozoic *Entomostraca*, including *Estheria* and *Leaia* (mostly figured in Pal. Soc. Mon., Annals and Mag. Nat. Hist., Geol. Mag., and Quart. Journ. Geol. Soc. Lond.).

Three Crustacea from the Gault, Folkestone.

Two slabs of Coal Shale from the Forest of Dean, with *Eurypterus* remains.

(*d*) *Annelida.*—One hundred and sixty Annelida from the Red Chalk of Hunstanton.

(*e*) *Echinodermata.*—One specimen of *Archæocidaris* from the Carboniferous of Alvestone, one *Actinocrinus* from Roborough,

Roborough, four *Platycrinus* and one Crinoid from Alvestone.

One hundred and twelve specimens of Palæozoic Echinodermata, embracing Starfish, Crinoids, &c., from the Devonian of Bundenbach, Germany.

Ninety-six specimens of Cretaceous Echinoids from Algeria.

One hundred and ninety-seven Echinodermata from the Red Chalk of Hunstanton.

Seventy-eight Crinoids, mostly from the Black Rock Carboniferous Limestone, Clifton, near Bristol, described and figured by Mr. Grenfell in Proc. Bristol Nat. Soc., New Series, Vol. I., Plates 6 and 7 (1875); also *Poteriocrinus plicatus*, *Rhodocrinus versimilis*, and *Gilbertiocrinus Koninckii*, from the Wenlock Limestone, Dudley, and numerous Calyxes from the Carboniferous Limestone of Yorkshire and Lancashire, &c.

One specimen of *Palæchinus* from the Lower Carboniferous Limestone, North Wales.

Four Crinoids from the Carboniferous Limestone, Ireland.

A specimen of *Pentacrinus* from the Lias of Keynsham, Somerset, referred to in Parkinson's "Organic Remains."

A specimen of *Brissus* from the Tertiary of Corinth, Greece.

A specimen of *Ophioderma Weymouthiensis* from the Oxfordian, Weymouth.

(*f*) *Zoophyta.*—Forty-seven Corals from the Red Chalk, Hunstanton.

Fourteen sections of Silurian, Devonian, and Carboniferous Corals.

(*g*) *Protozoa.*—A block of Polycistina Earth from the Tertiary Deposit of Bissee Hill, Barbadoes.

Twelve slides of figured Gault Foraminifera.

Forty-seven Sponges and one hundred and thirty-six Foraminifera from the Red Chalk of Hunstanton.

C.—Plantæ.

Thirty-nine Plants from the Wealden of Hastings.

One hundred Fossil Plants from the Coal-measures of Liége, Belgium.

Miscellaneous.

Three hundred and eighty-one specimens of Rocks for the stratified rock series in the wall-cases of Gallery No. 11.

The total number of specimens acquired during the past year has been as follows :—

A. VERTEBRATA :		
By Donation - - - - -	106	
„ Purchase - - - - -	3,897	
„ Exchange - - - - -	74	
		4,077
B. INVERTEBRATA :		
By Donation - - - - -	2,081	
„ Purchase - - - - -	8,719	
„ Exchange - - - - -	98	
		10,898
C. PLANTÆ :		
By Donation - - - - -	90	
„ Purchase - - - - -	146	
		236
TOTAL Acquisitions in 1891 - -		15,211

Exchanges:

The following exchanges have been sanctioned by the Trustees, namely :—

1. With Professor H. A. Nicholson, Aberdeen University ; seventeen *duplicate* Steeple-Ashton Corals for ten Brachiopods (*Acrotreta Nicholsoni*), new to the collection.

2. With Mr. H. W. Burrows, fifty-three *duplicate* land and freshwater Shells for twenty-eight remains of Vertebrata (*Cervus, Elephas, Rhinoceros.* &c.) from Brick-earth, Essex.

3. With Professor O. C. Marsh, Yale College, New Haven, U.S. ; *casts* of teeth of *Belodon,* pelvic bones of *Ornithopsis,* and two bones of Pterodactyle, in exchange for *Brontops* and other casts from America presented to the Trustees by Professor Marsh.

4. With Mr. W. Atkinson; a *duplicate* of *Apiocrinus* for a new Echinoid (*Ennalaster,* sp. nov.) from the Lower Greensand, Nutfield, Sussex.

5. With Dr. Otto Jaekel, Berlin Museum ; two *duplicate* Crinoids and one *cast* of *Ichthyocrinus pyriformis* for one *Encrinus Carnalli,* one *Dadocrinus Kunischi,* and one *Extracrinus.*

6. With Professor Dr. G. Lindström, Museum, Stockholm; six small Silurian Brachiopods, being *duplicates,* for one specimen of *Gissocrinus,* sp. nov., wanted for the collection.

7. With Professor A. Gaudry, Museum Natural History, Paris ; fourteen separate casts (prepared by Mason-formatore on the premises)

premises) in exchange for six casts of parts of skeleton of *Glyptodon*, and skull and lower jaw of *Machærodus*.

8. With Mr. B. Stürtz, Bonn ; forty-one *duplicate* specimens of Fossil Fish and Mammalian-remains (chiefly rejecta from the Beckles Collection) for fifty-four specimens of Miocene Mammalia from La Grive St. Alban, Isère, France, a locality not represented in the collection.

9. With Mr. Robert F. Damon, Weymouth ; a *duplicate* plaster cast of *Glyptodon* (removed from exhibition and replaced by an actual specimen from South America) exchanged for one hundred and fourteen specimens of Fish and Crustacea from the Lower Devonian of New Brunswick.

10. Also with Mr. Robert F. Damon ; one hundred and fifty *duplicate* London Clay Shells and Tertiary Leaves for eighty-three specimens of *Brachiopoda*, selected as desiderata for the collection.

Lectures and Demonstrations.

Swiney Lectures on Geology :

A course of twelve lectures on " Agents of Geological Change," by Professor Henry Alleyne Nicholson, M.D., D.Sc., F.G.S., &c., Regius Professor in the University of Aberdeen, was delivered in the Library of the Geological Department, commencing on the 5th of October, and ending on the 30th of that month ; they were attended by 2,565 persons, being, on an average, 214 persons to each lecture.

Dr. Woodward gave a series of demonstrations to lady students in the Geological Galleries on alternate Wednesday afternoons during January, February, March, and April.

He also gave a demonstration to the Lambeth Field Club of twenty-two members on 4th April.

The number of visits from students and persons who have consulted the collections and the Library for the purpose of scientific work during the year, and who have received assistance from members of the staff of the Department, was 2,961.

Henry Woodward.

Department of Mineralogy.

The Staff and its Duties.

The staff of the Mineral Department consists of the Keeper, three assistants, three attendants, and two boy-attendants. The duties are distributed as follows:—

Three Assistants.—To one is assigned most of the scientific and executive work relating to the collection of mineral species, including the preliminary examination of specimens submitted for purchase or exchange, the registration and incorporation of the recently-acquired specimens, the preparation of species-, variety-, and locality-labels, the determination of the physical and geometrical characters of specimens, and the preparation of a descriptive catalogue of the collection.

To a second is assigned similar work relative to the specimens of rocks.

To the third is assigned the chemical analysis of both minerals and rocks.

Though a mineralogist can no longer satisfactorily attempt to keep abreast of scientific knowledge and undertake scientific work in more than one of the above three branches of the subject (physical, petrological, and chemical), such a sharp limitation of the work of the assistants would be contrary to the interests of the Museum; hence, as far as possible, it is arranged that each assistant has the opportunity of acquiring a general knowledge of the specimens preserved in the Department, and of thus becoming of more general service to the public in the absence of his colleagues.

Three Attendants.—One is specially employed in the preparation of thin sections of minerals and rocks for examination with the microscope; a second is charged with the arrangement and cataloguing of the Departmental Library; the third with the more mechanical work of the chemical laboratory.

The general duties of dusting the cases, packing and unpacking specimens, copying, &c., are also performed by the attendants.

Two Boy-Attendants.—They attend on the superior officers as required, are charged with the sale of the departmental guides, and do a large part of the simpler mechanical work, such as the filling of trays with clean cotton wool, &c.

General.

For the continuation of the descriptive Catalogue of the Mineral Collection, the following species have been examined:

examined: Sternbergite, Argentopyrite, Argyropyrite, and Rittingerite.

Specimens of Augite, Xenotime, Cryptolite, Orpiment, Calamine, and other minerals, have been crystallographically and optically examined.

A description of Ullmannite has been published. Sixty-two specimens have been chemically examined, including four doubtful meteorites; eight specific-gravity determinations have been made; quantitative analyses of a Limestone, of Cornish Danalite, and of Helvite, have been made.

The minerals in the case-ends, the rocks in the wall-cases, and the collection of Ambers and Resins, have all been re-arranged and re-labelled.

The reserve collections of the following species have been re-arranged in the drawers according to localities, and duplicates have been set apart: Gold, Silver, Copper, Galena, Blende, Iron Pyrites, Copper Pyrites, Quartz, Garnet, Mica, Chlorite, and the artificial minerals.

A complete list of mineral desiderata has been prepared for printing, and the list of rock desiderata has been continued.

The species- and locality-labels required in the cases have been prepared for printing, and also the labels for the case-ends; of these, 1,572 species-labels and 1,295 locality-labels have been printed and delivered.

Exchanges have been arranged during the year with the Imperial Museum of Vienna; Colombia College, New York; the Geological Survey of New South Wales; Professor P. Groth, of Munich; his Excellency J. de Siemachko; Professor J. H. L. Vogt, of Christiania.

The following rocks have been examined, labelled, and re-arranged, and duplicates have been set aside: Vitreous rocks, Volcanic agglomerates, Trachytes, Phonolites, Melaphyres, Syenites, Diorites, Gabbros, Minettes, Picrites, Eclogites, Serpentines, Gneisses, and Schists; 220 drawers of specimens and 971 rock-sections have been examined for this purpose.

The following have been re-arranged in the drawers and, where necessary, labelled: the rocks of the Antarctic Expedition, 1839–43; the rocks from Bohemia, Vesuvius, Fernando Noronha, India, Japan, and Java.

Eighty-nine microscopic sections of rocks and minerals, and thirty-five of meteorites, have been prepared; twelve meteorites have been cut for exchange, and the Ovifak iron has been cleaned and re-varnished.

Departmental Library.

To the Departmental Library have been added 202 separate works (in 201 volumes), 141 memoirs and pamphlets, six parts of works not yet completed, and three maps.

Of the above, 130 volumes were acquired by presentation or transfer; all of them, including 705 plates, have been registered and stamped. The titles and cross-references relating to 355 volumes, 732 memoirs and pamphlets, and five maps, have been prepared for the Museum Library Catalogue.

Visitors.

The number of visits recorded as made to the Department for purposes of consultation or study is 946. As the Gallery is now open daily to the general public, and the Mineral Collections are so exhibited and described that reference to the officers of the Department on the part of students is generally unnecessary, it is difficult to estimate the number of visits made to the Department for the purpose of study alone, and the above number is thus only approximative in character.

Acquisitions.

One thousand two hundred and five specimens have been acquired during the year 1891, namely, 458 minerals, 719 rocks, and 28 meteorites.

These have been registered, numbered, labelled, and incorporated with the collection. The more important of them are named below:—

Minerals.

By Presentation:

Auriferous Quartz (12 specimens); South Africa; by Clayton Bennett, Esq.

Auriferous Quartz; Wales; by Professor Boyd-Dawkins, F.R.S.

Bowenite (two specimens); Afghanistan; by Major-General C. A. M'Mahon, F.G.S.

Fibrolite; Alhama de Granada, Spain; by Rev. Canon Greenwell.

Iron Pyrites; Folkestone; by H. P. Hopwood, Esq.

Stibnite and Antimony (four specimens); Minas do Corgo, Portugal; by the Lixa Mining Company.

Various minerals (32 specimens); Switzerland; by Mrs. Leifchild.

Francolite; Marazion, Cornwall; by H. A. Miers, Esq.

Elaterite; Adelaide, South Australia; by C. D. E. Fortnum, Esq., D.C.L.

Argentiferous Blende; Böhmer Mine, Cauca, Colombia; by H. S. Böhmer, Esq.

Sphene, in very large crystals; Risör, Norway; by A. L. Collins, Esq.

Pyrolusite; South Portugal; by B. B. Woodward, Esq., F.G.S.

Yttrotantalite and Sapphire; Ceylon; by J. Baddeley, Esq.

Auriferous

Auriferous Erubescite; Santa Fé, Mexico; by Professor N. S. Maskelyne, M.P., F.R.S.
Auriferous specimens; Johannesburg, South Africa; by J. Gau, Esq.
Vermiculite; Minobu, Japan; by B. C. Thornhill, Esq.
Argentiferous and other Ores (eight specimens); Argentine Republic; by Dr. J. Fallows.
Stalactitic Calcite; Mexico; by O. H. Howarth, Esq.
Röttisite; Plauen, Saxony; by Professor A. Weisbach.
Cyprusite; Limni, Cyprus; by J. Deby, Esq., M.E.
Chilian Ores (13 specimens); by the Government of Chili.

By Purchase:

Laumontite, a magnificently-crystallised specimen, with Apophyllite; Felsö-Certes, Transylvania.
Sulphohalite, a unique crystal; Borax Lake, California.
Cupro-uranite, an exceptionally fine specimen of a very rare variety; Gunnis Lake Mine, Cornwall.
Fluor, in fine blue crystals; Beeralston, Devon.
Calomel; San Onofre, Mexico.
Fluellite; Stenna Gwyn, St. Austell, Cornwall.
Leadhillite; Leadhills, Lanarkshire.
Cassiterite; New England, New South Wales.
Aguilarite, a unique specimen; Guanaxuato, Mexico.
Datolite; Seisser Alp, Tyrol.
Turnerite with Rutile; Binnenthal, Switzerland.
Ochrolite, Ganophyllite, Kentrolite, Pinakiolite, Pyrophanite, and Manganochlorite; Harstigen, Wermland, Sweden.
Niccolite; Eisleben, Prussia.
Sellaite; Moutiers, Savoy.
Freieslebenite; Freiberg, Saxony.
Orthoclase; Baveno, Lago Maggiore, Italy.
Alexandrite, in very perfect crystals; Russia.
Willemite, in transparent prisms; Franklin, New Jersey.
Hiddenite, in the matrix; Statesville, North Carolina.
Pyrrhite; Schaitansk, Urals.
Boleite, five very perfect crystals; Santa Rosalia, Mexico.
Opal, in rhyolite; Mexico.
Apatite, in very fine crystals; Luxullian, Cornwall.
Celestine, in acute crystals; Yate, Gloucestershire.
Chondrodite, in very large groups; Brewster, New York
Lavenite and Weibyite; Langesundfjord, Norway.
Andalusite, a fine facetted stone; South America.
Redruthite, a group of large crystals; Cornwall.
Pollucite; Hebron, Maine, U.S.A.
Roscoelite; Springdale, Colorado.
Auerlite; Zirconia, North Carolina.
Fiedlerite; Laurium, Greece.
Hintzeite; Aschersleben, Prussia.
Zircon and Sapphire; facetted stones.

Auriferous specimens; Mount Morgan, Queensland.
Fluorescent Amber, a beautiful example; Sicily.
Sulphur, in large crystals; Girgenti, Sicily.
Chalybite; Tincroft Mine; Redruth, Cornwall.
Artificial Rubies.
Mispickel; St. Ives Consols, Cornwall.
Grossular, in pink crystals; Xalostoc, Morelos, Mexico.
Yttrialite, Tengerite, Thorogummite, and Nivenite; Llano County, Texas, U.S.A.

By Exchange:

A collection of crystallised Slags (18 specimens).
American Minerals (19 specimens).
Silver Ores from New South Wales (seven specimens).
Strontianite; Westphalia.
Celestine, Bournonite and Linnaeite.
Mixite; Utah.

Of the above, Aguilarite, Auerlite, Boleite, Fiedlerite, Ganophyllite, Hintzeite, Kentrolite, Lavenite, Manganochlorite, Nivenite, Ochrolite, Pinakiolite, Pyrophanite, Sellaite, Sulphohalite, Tengerite, Thorogummite, Weibyite, Yttrialite, are newly-discovered species.

The following species or varieties, hitherto unrepresented in the collection, were also acquired during the year:—

Aarite, Antillite, Aquacreptite, Baltimorite, Barcenite, Bismutoferrite, Borickite, Bragite, Canaanite, Catlinite, Chalcomenite, Chelmsfordite, Chlorotile, Coeruleolactite, Coloradoite, Cubanite, Cyprusite, Dudleyite, Eucryptite, Fluosiderite, Galapectite, Grochauite, Grothite, Guanoxalite, Guayacanite, Hampshirite, Harringtonite, Hatchettolite, Hypoxanthite, Ivigtite, Lagonite, Leelite, Leucanterite, Livingstonite, Mariposite, Melanosiderite, Meymacite, Microsommite, Necronite, Neochrysolite, Palagonite, Partzite, Pencatite, Phonophyllite, Phosphochromite, Polychroilite, Prasochrome, Prilepite, Pseudocotunnite, Pyroidesine, Redondite, Sauconite, Sinopite, Spartaite, Steatargillite, Striegovite, Teschemacherite, Titanomorphite, Vamaite, Waddoite, Waltherite, Wocheimite, Xanthite, Zepharovichite.

Rocks.

By Presentation:

Rocks and Minerals (150 specimens) from various localities, collected during the Franklin Search Expedition (1852–53) and the Antarctic Expedition (1839–43); bequeathed by Deputy Inspector-General R. M'Cormick, R.N., F.R.C.S.

Rocks (84 specimens) from Somali-land and Socotra, South Africa; by Professor T. Rupert Jones, F.R.S.

Lava

Lava (26 specimens) from Hawaii, Sandwich Islands; by Armstrong Smith, Esq.

Rocks (27 specimens) from Scotland; by S. Allport, Esq., F.G.S.

Rocks (115 specimens) from China; by P. W. Bassett-Smith, Esq., Surgeon, R.N.

Graphitic Mica-Schist, Pornic, France; by C. Seidler, Esq.

Rocks (100 specimens) from St. Helena; by R. L. Antrobus, Esq.

Canadian Rocks (53 specimens); by G. C. Hoffman, Esq., PH.D.

Orbicular Granite, Sweden; by F. A. Bather, Esq., F.G.S.

Jersey Rocks (19 specimens); by T. Davies, Esq., F.G.S.

Jersey Rocks (six specimens); by R. B. Newton, Esq., F.G.S.

By Purchase:

A collection of Rocks from North Wales.

A collection of Rocks from Mexico.

A collection of Rocks from Saxony.

Meteorites.

By Presentation:

Thunda, Diamantina District, Queensland; weight 396 grams; by Professor A. Liversidge, F.R.S.

Dundrum, Tipperary; fell 12th August 1865; weight 245 grams; by the Board of Trinity College, Dublin.

Washington, Kansas, U.S.A.; fell 25th June 1890; weight 60 grams; by G. F. Kunz, Esq.

By Purchase:

Merceditas, El Chañaralino, Chili; weight 1,917 grams.

Puquios, Chili; weight 176 grams.

Kendall County, U.S.A.; weight 556 grams.

Silver Crown, Laramie County, Wyoming, U.S.A.; weight 583 grams.

Stutsman County, Dakota; weight 1,627 grams.

Pipe Creek, Brandora County, Texas; weight 821 grams.

Butler, Bates County, Missouri, U.S.A.; weight 74 grams.

Waldron's Ridge, Tazewell County, Tennessee; weight 70 grams.

St. Mesmin, Aube, France; fell 30th May 1866; weight 68 grams.

Misshof, Courland, Russia; fell 10th April 1891; weight 134 grams.

Cañon Diablo, Arizona, U.S.A.; weight 300 grams.

By Exchange:

Holland's Store, Chattooga County, Georgia; weight 204 grams.

Nagy-Vaszony, Hungary; weight 69·7 grams.

Hammond, St. Croix County, Wisconsin; weight 62 grams.

Laurens County, South Carolina; weight 63·5 grains.

Linnville Mountain, Burke County, North Carolina; weight 21·2 grams.

Ilimaë, Atacama, Chili; weight 39·4 grams.

Mazapil, Zacatecas, Mexico; fell 27th November 1885; weight 14 grams.

Summit, Blount County, Alabama; weight 48·3 grams.

Cabin Creek, Johnson County, Arkansas; fell 27th March 1886; weight 5·2 grams.

Carcote, West Cordilleras, Chili; weight 2·7 grams.

Pacula, Jacala, Mexico; fell 18th June 1881; weight 28 grams.

Schönenberg, Bavaria; fell 25th December 1846; weight 42 grams.

Bisch-Tiube, Nikolaew, Asiatic Russia; weight 88 grams.

Ssyromolotowo, Angara, Siberia; weight 3·8 grams.

L. Fletcher.

Department of Botany.

During the year 41,875 specimens have been named, mounted, and inserted in their places in the Herbarium. These have consisted principally of plants from Arabia, collected by Schweinfurth; from India, by Schlagintweit, Duthie, Clarke, and Beddome; from Gwalior, by Maries; from Penang, by Curtis; from Burmah, by Ridley; from Malaya, by King; from Western China, by Henry and Pratt; from South Africa, by MacOwan; from Madagascar, by Scott Elliot; from Australia, by Fitzgerald; from Canada, by Macoun; from Mexico, by Pringle; from the West Indies, by Ramage; from Grenada, by Sherring; from New Granada, by Triana; and from Chili, by Borchers; and of plants of various Natural Orders from the Herbaria of Auerswald, Shuttleworth, Miers, and Hance.

In the progress of incorporating these additions in the Herbarium the following Natural Orders have been more or less completely revised: *Malvaceæ*, *Leguminosæ*, *Myrtaceæ*, *Passifloreæ*, *Compositæ*, *Ericaceæ*, *Myrsineæ*, *Sapotaceæ*, *Convolvulaceæ*, *Solanaceæ*, *Scrophulariaceæ*, *Labiatæ*, *Orchideæ*, *Liliaceæ*, *Cyperaceæ*, *Gramineæ*, and *Filices*; together with large groups of *Hepaticæ*, *Lichenes*, *Algæ*, and *Fungi*.

Considerable additions and improvements have been made during the year in the exhibition of the specimens and illustrations of the Natural Orders in the Public Gallery.

The

The collections of the Fruits and Seeds of Palms, and of the Fruits and Seeds of British Plants, have been named and arranged.

The large collection of original drawings made by the late Dr. Schleiden, illustrating the morphology and anatomy of different Natural Orders, have been arranged and mounted, with the view of binding them in volumes for easy reference and preservation.

The extensive series of slides prepared by and representing the work of the late Professor De Bary, lately purchased by the Trustees, has been arranged in systematic order. The medium originally employed in mounting the preparations having been insufficiently secured, every slide has been carefully examined and resealed, and, wherever necessary, the specimen has been remounted. One-third of the whole collection has been thus treated.

The typical collection of British *Diatomaceæ* belonging to William Smith, and illustrating his standard work on these plants, contained a considerable quantity of unmounted material, which was specified in the published Catalogue. This has all been prepared and mounted on slides, so as to permit of the exact study of the specimens without injury.

In the progess of the year's work the officers of the Department have been engaged as follows :—

Mr. E. G. Baker has incorporated the Polypetalous Plants of various collections with the General Herbarium. The most extensive and important of these was that found by Triana in New Granada, and, in addition, those formed by Henry and Pratt in China, Ramage in the West Indies, Pringle in Mexico, Porta and Rigo in Spain, and Maries in Gwalior. Portions of the collections of Borchers and Philippi from Atacama, Hance from China, and Auerswald from Europe, have also been incorporated.

The collections of the late Mr. Archer Briggs, were examined, and specimens selected for the British Herbarium. The collection of the Fruits and Seeds of British Plants has been arranged and added to during the year. The revision of the Natural Order Malvaceæ has been continued, and several new species have been described. To enable Mr. Baker more efficiently to carry on his work in the Herbarium, the Trustees granted him a fortnight's special leave, in order to visit the Herbaria at Lisbon, Madrid, Geneva, and Paris, with the view of studying the types of the Malvaceæ preserved in them. This work he was able to do in the month of November.

Mr. James Britten has revised several Orders of Mono-

petalous Plants, and has incorporated with the General Herbarium the plants belonging to these Orders from the collections of Hance, Miers, and Shuttleworth, and specimens from other sources. The Orders principally dealt with have been *Ebenaceæ*, *Sapotaceæ*, *Myrsineæ*, *Styracæ*, *Oleaceæ*, *Campanulaceæ*, and *Gesneraceæ*; he has also made large additions to the following, and some progress has been made in their rearrangement: *Scrophulariaceæ*, *Labiatæ*, *Convolvulaceæ*, *Caprifoliaceæ*, and *Cyrtandraceæ*. The Indian and Australian *Compositæ* have been revised in accordance with the Floras of these countries, and numerous additions incorporated. The *Monopetalæ* and *Apetalæ* collected by Henry and Pratt in China, by Curtis in Penang, and by Macoun in Canada, as well as several smaller collections, have been laid out. Considerable progress has been made in the sorting and arranging of Monopetalous Plants preparatory to incorporation.

Mr. Britten has also superintended the arrangement of the collection of drawings and autographs.

Mr. A. B. Rendle has incorporated in the General Herbarium the Gymnosperms and Monocotyledons collected by Schweinfurth in Arabia Felix, by Prain, Duthie, Clarke, and Beddome in India, by Maries in Gwalior, by Ridley in Penang, Pahang, and Singapore, by Curtis in Penang, by Faber, Henry, Pratt, and Hance in China, by Mueller and Fitzgerald in Australia, by Pringle in Mexico, by Triana in New Granada, and by Morong in Paraguay. He has added to the Herbarium a number of cultivated specimens of Orchids from Messrs. Veitch and others. He has revised and rearranged several genera of *Orchideæ*, *Cyperaceæ*, and *Gramineæ*, and the specimens, the fruits and seeds, and the plates, of a large section of Palms.

Mr. Rendle has classified the whole of the drawings by Schleiden. He has completed the exhibited series of Gamopetalæ in the Public Gallery, and has made considerable progress in the preparations for the introductory exhibitions in the Hall.

Mr. Antony Gepp has been principally occupied with incorporating the various collections of *Hepaticæ* in the General Herbarium. He has revised and determined these plants in the Herbaria of Wilson and Shuttleworth, and added them to the arranged Herbarium, together with numerous specimens from Lindberg, Hampe, Gottsche, Rabenhorst, Carroll, Austin, Pearson, and others. He has incorporated many critical species which have been added to the British Flora during recent years.

The series of British Mosses for exhibition has been completed, and considerable progress has been made with the selection,

selection, preparation, and labelling of the Hepatics, to complete the exhibition of *Muscineæ*.

Mr. George Murray has continued the work of rearranging the collection of *Fungi*, and completed the extensive series of *Discomycetes* and *Pyrenomycetes*, involving the remounting and incorporation of more than 4,000 specimens. He has rearranged the Green *Algæ*, nearly completing the work, and remounted and incorporated nearly 8,000 specimens of *Algæ*, mostly *Chlorophyceæ*. Small collections from Australia, South Africa, and the Indian Ocean have been incorporated in the Herbarium, and new species of *Siphoneæ* and *Phacophyceæ* have been described. The *Algæ* of Ravenel's Herbarium have been arranged, and many of them renamed.

The principal additions to the Herbarium during the year have been (1) the study set of the plants of New Granada formed by the late M. J. J. Triana, consisting of the whole of the plants, so far as collected by himself, which have been described in his works, and in his unfinished "Prodromus Floræ Novæ Granatensis;" the collection consists of over 8,000 specimens belonging to 4,490 species of a flora very imperfectly represented in the Herbarium; (2) the collections made by Aug. Borchers in Atacama, in Northern Chili, consisting of 1,100 specimens determined by Professor Philippi; (3) the extensive collection of North American Cryptogams formed by the late Mr. Ravenel, consisting of more than 14,550 specimens, and including all the species which were described from his materials by Berkeley and others.

The additions to the collection by presentation during the year have consisted of 2,369 Indian plants from C. B. Clarke, Esq., F.R.S.; 595 Indian plants from Dr. George King, F.R.S.; 775 Malayan plants from H. N. Ridley, Esq.; 200 Malayan plants from C. Curtis, Esq.; 120 Indian plants from J. F. Duthie, Esq.; 420 plants from Gwalior, from C. Maries, Esq.; 22 plants from China, from the Rev. G. J. Maclagan; 160 ferns from St. Vincent's, and a collection of ferns from the Island of Grenada, from the West Indies Exploration Committee of the Royal Society; 100 South African plants from Professor Macoun and H. Bolus, Esq.; 343 Australian plants from Baron Ferdinand von Mueller; four plants from the Tonga Islands by R. B. Leefe, Esq.; 241 Canadian plants by Professor Macoun; specimens of American *Malvaceæ* by J. N. Rose and B. L. Robinson, Esqs.; 10 species of Jamaican fruits from W. Fawcett, Esq.; and specimens of cultivated orchids from H. J. Veitch, Esq., and Mrs. Wolstenholme.

A small collection of 60 species of Algæ presented by Professor Flahault is of special interest, as they are types of the "Revision des Nostocacées hétérocystées;" by MM. Bornet and Flahault. Among other presents of cellular plants are 35 species from

Ceylon, presented by E. E. Green, Esq.; 23 Algæ from the Cape, by W. Tyson, Esq.; 356 Canadian Hepaticæ collected by Professor Macoun, and presented by him through W. H. Pearson, Esq., who described them; 18 Algæ from the Andaman Islands, by Dr. Prain; 10 species from Colorado, by T. D. A. Cockerell, Esq.; four species from New Zealand, by Vaughan Jennings, Esq.; 27 Algæ from the Black Sea, by Miss Karsokoff; three slides of Pachytheca from Sir J. D. Hooker; 96 species of Mosses from New South Wales, from the Rev. James Lamont; five Algæ and one Fungus from Baron F. von Mueller; 254 Mosses from Mrs. Wolstenholme, and specimens from Professor Cramer, M. Bornet, H. N. Ridley, Esq., B. B. Woodward, Esq., Dr. Braithwaite, and W. G. Smith, Esq.; 43 species of Mosses and Hepatics collected by Fendler in Trinidad, by the Director, Royal Gardens, Kew.

Among the additions to the British Herbarium, by presentation, are the following: 306 specimens by the Rev. E. J. Marshall; 162 specimens of flowering plants and 55 Algæ by the Rev. T. S. Lea; 180 specimens from the Herbarium of the late T. R. A. Briggs, through the Director, Royal Gardens, Kew; 146 specimens from J. B. Davy, Esq.; 39 specimens from A. Bennett, Esq.; 32 specimens from W. H. Beeby, Esq.; 26 specimens from J. W. White, Esq.; and various specimens of flowering plants from G. C. Druce, Esq., W. Whitwell, Esq., J. Benbow, Esq., and the Rev. R. P. Murray. Mr. Clement Reid has presented numerous fruits and seeds of British plants. Various specimens of Cryptogams have been received from Sir John Thorold, Bart., J. Saunders, Esq., George Traill, Esq., F. C. S. Roper, Esq., Arthur Bennett, Esq., R. B. Marston, Esq., J. Smith, Esq., and Professor Hartog.

The following collections have been acquired by exchange: photographs of the original types of rare species of *Adiantum*, not in the Herbarium, from M. Bommer, of Brussels; 31 species of Mosses from Australia and the Philippine Islands, from V. F. Brotherus; 11 species of Hepaticæ from Bolivia, from Mrs. Britton, and three Algæ from E. M. Holmes, Esq.

The following collections have been acquired by purchase: 603 species of plants collected in Bolivia by M. Bang; 440 species of Syrian plants collected by Professor Post; 601 plants from the Tibetan frontier collected by Pratt; 2,706 plants from Western China collected by Dr. Henry; 300 plants from Anatolia collected by Bornmüller; 497 plants from Spain collected by Porta and Rigo; 189 plants from Central Paraguay collected by the Rev. T. Morong; 200 plants from Honduras collected by the Rev. J. Robertson; 201 plants from the south east of Madagascar collected by Cloisel; 100 Scandinavian Hieracia collected by Dahlstadt; 50 specimens

50 specimens of Erythræa from Wittrock; 90 species of Fungi from the Orinoco collected by Roumeguère; 200 species of *Uredineæ*, and 400 species of other Fungi, from Sydow; 650 species of Fungi from Saxony, from Kruger; 300 British Fungi from Massee; 25 species of rare British Algæ from Holmes; 100 species of European Algæ from Hauck; 525 species of Canadian Mosses from Macoun; and 100 species of Mosses from Brazil collected by Ule. 129 prepared slides of British Algæ exhibiting the organs of reproduction have been acquired from Mr. Buffham, and 150 similar slides of British Fungi from Mr. W. G. Smith.

The following Books, &c. have been presented to the Herbarium :—

Pierre's Flore de la Cochin China, Parts 14–16, by the Minister of Marine, Paris; Green Fields and their Grasses, by Mr. Cheadle; North American Epilobium, by W. Trelease; F. v. Mueller, Iconography of Australian Salsolaceæ, from the Government of Victoria; Nederlandsch Krúidkundig Archief, by the Society; F. M. Bailey's Supplements (2–3) to Queensland Flora and Poisonous Plants, and Bernays' Cultural Industries of Queensland, from Hon. Secretary for Agriculture, Brisbane; Plants of Sydney, W. Woods, by F. v. Mueller; Flora of Stonyhurst District, by Rev. C. A. Newdigate; Vols. 3–5 Dict. Economic Products of India, from India Office; Two Papers on Bromeliaceæ, from the Author, C. A. M. Lindman; Draft List of Latin Place-names, from the Compiler, B. D. Jackson; J. M. Coulter, Manual of the Phanerogams and Pteridophytes of Western Texas, by U.S. Department of Agriculture; G. E. Alderton, Treatise and Handbook of Orange Culture in Auckland, New Zealand, and T. Kirk, Forest Flora of New Zealand, also Reports on the Durability of New Zealand Timber, by the Agent General of New Zealand; J. N. Rose, List of Plants collected by Dr. E. Palmer in 1890 in West Mexico and Arizona, U.S. Department of Agriculture; Three Papers on the Tubercle Bacillus, by Academy of Natural Sciences of Philadelphia; Maxwell T. Masters, Bud-variations or Sports, by the Author; F. H. Knowlton, Directions for collecting Recent and Fossil Plants, and Asa Gray, Plates prepared between the years 1849 and 1859, to accompany a Report on the Forest Trees of North America, by Smithsonian Institution; C. Linnæus, Betula nana, Plantæ Martino-Burserianæ, Anandria, Sponsalia plantarum, Vires plantarum, Flora œconomica, Specimen Academicum de Curiositate naturali, Specimen Academicum de œconomia naturae, Lignum colubrinum, Gemmæ arborum, Pan suecicus, Plantæ rariores Camtschatcenses, Odores medicamentorum exhibens, Rhabarbarum, Quæstis historiico-naturalis Cui bono? Vernatio arborum, Demons.

plantarum in horto Upsaliensi, Instructio Musei rerum naturalium, Diss. de methodo investigandi, Vires medicamentorum chemica, Somnus plantarum, Specifica Canadensium, Natura pelagi, Culina mutata, De Cortice peruviano Medicamenta graveolentia, Instructio peregrinatoris, Plantarum Jamaicensium pugillus, De politia naturæ, Macellum olitorium, Diss. in qua potus Coffeæ, Inebriantia, Reformatio botanices, De Raphania, Lignum Quassiæ, Spiritus frumenti, Opobalsamum declaratum, Potus Theæ, Usus Muscorum, Purgantia indigena, Diss. demonstrans necessitatem promovendæ hist. nat. in Rossia, Diss. Acad. demonstrans usum hist. nat. in vita communi, Diss. mundum invisibilem breviter delineatura, Rariora Norvegiae, Iter in Chinam, Pandora et Flora Rybyensis, Observationes in materiam medicam, De Ledo palustri, Opium, Medicamento purgantia, Hypericum, Flora Anglica, presented by Royal Academy of Science, Stockholm; P. A. Sodiro, Recensio Cryptogamarum vascularium Provinciæ Quitensis, by E. Whymper; H. L. Roth, A Sketch of the Agriculture of East Russia, and Remarks on the Roots of the Sugar Cane, by the Author; F. v. Mueller, Select Extra-Tropical Plants, 8th Edition, by the Author; E. Warming, Familien Podostemaceæ, Part IV., by the Author; T. S. Brandegee, Flora of the Cape Region of California, by the Author; A. V. Jennings and Kate M. Hall, Notes on the Structure of Tmesipteris; C. E. Bessey, Preliminary Reports on the Native Trees and Shrubs of Nebraska, by the Author; E. Bureau and A. Franchet, Plantes nouvelles du Thibet et de la Chine occidentale, by E. G. Baker; F. A. Flückiger, La Mortola, a short description of the garden of Thomas Hanbury, by E. G. Baker; J. Taylor, Arbores mirabiles, by J. Burtt Davy; Drawings of Indian Plants, from Colonel Beddome; 14 Slides and five Drawings illustrating Brugmansia and Fruits of Barringtonia, from Julian Deby; four Photographs of Madeiran Vegetation, from D. Harcourt Powell.

The number of visitors to the Herbarium for scientific research or inquiry during the year has been 2,226. In addition to these, a large number of students have regularly visited and systematically studied the collection of British Plants specially prepared for the use of students and exhibited in the Public Gallery.

Wm. Carruthers.

RETURN.

BRITISH MUSEUM.

Ordered, by The House of Commons, *to be Printed,*
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for 1892

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BRITISH MUSEUM.

RETURN to an Order of the Honourable the House of Commons, dated13 *April* 1893;—*for*,

COPY "of ACCOUNT of the INCOME and EXPENDITURE of the BRITISH MUSEUM (SPECIAL TRUST FUNDS) for the Year ending the 31st day of March 1893; and, RETURN of the Number of PERSONS admitted to visit the MUSEUM and the BRITISH MUSEUM (NATURAL HISTORY) in each Year from 1887 to 1892, both Years inclusive; together with a STATEMENT of the PROGRESS made in the ARRANGEMENT and DESCRIPTION of the COLLECTIONS, and an ACCOUNT of OBJECTS added to them in the Year 1892."

Treasury Chambers, *August* 1893.

JOHN T. HIBBERT.

(*Sir John Lubbock.*)

Ordered, by The House of Commons, *to be Printed*, 16 *August* 1893.

LONDON:
PRINTED FOR HER MAJESTY'S STATIONERY OFFICE,
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and 32, ABINGDON STREET, WESTMINSTER, S.W.; or
JOHN MENZIES & Co., 12, HANOVER STREET, EDINBURGH, and
90, WEST NILE STREET, GLASGOW; or
HODGES, FIGGIS, & Co., LIMITED, 104, GRAFTON STREET, DUBLIN.

375.

CONTENTS.

Page

I.—ACCOUNT OF THE RECEIPT AND EXPENDITURE OF THE BRIDGEWATER FUND, for the Year ended 31st March 1893 - - - - - - - - - - - - 4

II.—ACCOUNT OF THE FARNBOROUGH FUND, for the same period - - - - - - - - - - - - - - 4

III.—ACCOUNT OF THE SWINEY FUND, for the same period - 6

IV.—ACCOUNT OF THE BIRCH FUND, for the same period - - 6

V.—ACCOUNT OF THE TAPLING BEQUEST, for the same period 8

VI.—ACCOUNT OF THE TURNER BEQUEST, for the same period 8

VII.—RETURN of the Number of PERSONS admitted to visit the BRITISH MUSEUM and the BRITISH MUSEUM (NATURAL HISTORY) in each Year from 1887 to 1892, both Years inclusive - - - - - - - - - - - - - - 10

VIII.—STATEMENT of GENERAL PROGRESS at the MUSEUM (Bloomsbury) - - - - - - - - - - - - - - 14

IX.—STATEMENT of PROGRESS made in the ARRANGEMENT and DESCRIPTION of the COLLECTIONS, and ACCOUNT of OBJECTS added to them, in the Year 1892 (Bloomsbury) - - - 18

X.—Ditto - - - ditto - - - (Natural History) - - - 81

I.—AN ACCOUNT of the RECEIPT AND EXPENDITURE of the

		Cash.	Stock, 2¾ °/₀ Consols.
		£. s. d.	£. s. d.
To BALANCE on the 1st April 1892 - - -		281 19 5	13,150 13 10
– DIVIDENDS received on 13,150 *l.* 13 *s.* 10 *d.* Stock in 2¾ per Cent. Consols, bequeathed by the Earl of Bridgewater, viz.:			
	£. s. d.		
On the 5th April 1892 -	90 8 2		
„ 5th July 1892 -	90 8 3		
„ 5th October 1892 -	90 8 2		
„ 5th January 1893 -	90 8 3		
		361 12 10	
– RENT OF A REAL ESTATE, bequeathed by the Earl of Bridgewater (less charges of collection and repairs) - - -		28 7 2	
	£.	671 19 5	13,150 13 10

II.—AN ACCOUNT of the RECEIPT AND EXPENDITURE of the

		Cash.	Stock, 2¾ °/₀ Consols.
		£. s. d.	£. s. d.
To BALANCE on the 1st April 1892 - - -		130 14 11	2,879 10 7
– DIVIDENDS received on 2,879 *l.* 10 *s.* 7 *d.* Stock in 2¾ per Cent. Consols, bequeathed by Lord Farnborough viz.:			
	£. s. d.		
On the 5th April 1892 -	19 15 11		
„ 5th July 1892 -	19 15 11		
„ 5th October 1892 -	19 15 11		
„ 5th January 1893 -	19 15 11		
		79 3 8	
	£.	209 18 7	2,879 10 7

BRIDGEWATER FUND, from the 1st April 1892 to the 31st March 1893

	Cash.	Stock, 2¾ °/₀ Consols.
	£. s. d.	£. s. d.
By Payment of one Year's Salary to the Egerton Librarian - - - - - -	210 - -	
- Payment for the Purchase of Manuscripts	300 - -	
- Balances on the 31st March 1893, carried to Account for 1893-94 - - -	161 19 5	13,150 13 10
£.	671 19 5	13,150 13 10

FARNBOROUGH FUND, from the 1st April 1892 to the 31st March 1893.

	Cash.	Stock, 2¾ °/₀ Consols.
	£. s. d.	£. s. d.
By Payment for the Purchase of Manuscripts	12 12 -	
- Balances on the 31st March 1893, carried to Account for 1893-94	197 6 7	2,879 10 7
£.	209 18 7	2,879 10 7

III.--AN ACCOUNT of the RECEIPTS AND EXPENDITURE of the

		Cash.	Stock, 2¾ °/₀ Consols.
		£. s. d.	£. s. d.
To BALANCE on the 1st April 1892 - - -		103 16 4	5,583 1 6
- DIVIDENDS received on 5,583 *l.* 1 *s.* 6 *d.* Stock in 2¾ per Cent. Consols, bequeathed by Dr. George Swiney for Lectures on Geology, viz.:			
On the 5th April 1892 -	£. 38 7 8		
„ 5th July 1892 -	38 7 8		
„ 5th October 1892	38 7 8		
„ 5th January 1893	38 7 8		
		153 10 8	
	£.	257 7 -	5,583 1 6

IV.—AN ACCOUNT of the RECEIPTS AND EXPENDITURE of the

		Cash.	Stock, 2¾ °/₀ Consols.
		£. s. d.	£. s. d.
To BALANCE on the 1st April 1892 - - -		- -	565 3 9
- DIVIDENDS received on 565 *l.* 3 *s.* 9 *d.* Stock in 2¾ per Cent. Consols, bequeathed by Dr. Birch in 1766, for the three Under Librarians of the British Museum, viz.:			
On the 5th April 1892 -	£. 3 17 9		
„ 5th July 1892 -	3 17 8		
„ 5th October 1892 -	3 17 9		
„ 5th January 1893	3 17 8		
		15 10 10	
	£.	15 10 10	565 3 9

SWINEY FUND, from the 1st April 1892 to the 31st March 1893.

	Cash.	Stock, 2¾ °/₀ Consols
	£. s. d.	£. s. d.
By Salary paid to Dr. H. Alleyne Nicholson for Lectures on Geology in 1892 - - -	150 - -	
- Balances on the 31st March 1893, carried to Account for 1893-94 - - -	107 7	5,583 1 6
£.	257 7 -	5,583 1 6

BIRCH FUND, from the 1st April 1892 to the 31st March 1893.

	Cash.	Stock, 2¾ °/₀ Consols.
	£. s. d.	£. s. d.
By Legacy paid to the three Under Librarians of the British Museum, whose offices existed in 1766, viz., the Keepers of the Departments of Printed Books, Manuscripts, and Natural History - - -	15 10 10	
- Balance on the 31st March 1893, carried to Account for 1893-94 - - -	- -	565 3 9
£.	15 10 10	565 3 9

V.—AN ACCOUNT of the RECEIPTS and PAYMENTS in connection
1st April 1892 to

	Cash.	Stock in Local Loans, 3 °/₀.
	£. s. d.	£. s. d.
To AMOUNT of BEQUEST received for collating and arranging his Collection of Stamps bequeathed to the British Museum - - - - - -	1,000 - -	
- AMOUNT of Local Loans Stock purchased with Bequest - - - -	- -	969 2 9
- DIVIDENDS received on 969*l.* 2*s.* 9*d.* Local Loans Stock, viz.:		
On the 5th July 1892 - £. 7 5 4		
„ 5th October 1892 - 7 5 4		
„ 5th January 1893 - 7 5 4		
	21 16 -	
- AMOUNT realized by Sale of 169*l.* 2*s.* 9*d.* Local Loans Stock, less Brokerage - -	176 6 -	
£.	1,198 2 -	969 2 9

VI.—AN ACCOUNT of the RECEIPTS and PAYMENTS in connection
1st April 1892 to

	Cash.	Stock in Metropolitan 3 °/₀.
	£. s. d.	
To AMOUNT bequeathed by the late Miss E. T. TURNER for the purpose of carrying on Excavations - - -	2,000 - -	
- AMOUNT of Metropolitan 3 per cent. Stock purchased with the Bequest - -	- -	1,939 7 10
- DIVIDENDS received on 1,939*l.* 7*s.* 10*d.* Metropolitan 3 per cent. Stock, viz.:		
On the 1st November 1892 - £. 14 10 10		
„ 1st February 1893 - 14 10 10		
	29 1 8	
£.	2,029 1 8	1,939 7 10

British Museum,
1 *April* 1893.

with the BEQUEST of the late Mr. T. K. TAPLING, M.P., from the the 31st March 1893.

	Cash.	Stock in Local Loans, 3 %.
	£. s. d.	£. s. d.
By Amount invested in the purchase of 969*l.* 2*s.* 9*d.* Local Loans Stock, less Brokerage and cost of Power of Attorney to sell Stock from time to time - - - - - - -	1,000 - -	
- Payments for mounts, etc., for the collection - - - - - - - -	19 1 10	
- Payment of one half year's Salary to a special Assistant engaged to continue the arrangement and mounting of Mr. Tapling's Collection of Stamps - - - - - -	100 - -	
- Sale of Stock - - - - - - -	- -	169 2 9
- Balances on the 31st March 1893, carried to Account for 1893–94 - - -	79 - 2	800 - -
£.	1,198 2 -	969 2 9

with the BEQUEST of the late Miss E. T. TURNER, from the the 31st March 1893.

	Cash.	Stock in Metropolitan 3 %.
	£. s. d.	£. s. d.
By Amount invested in the purchase of 1,939*l.* 7*s.* 10*d.* Metropolitan 3 per cent. Stock, less Brokerage, etc. - - - -	2,000 - -	
- Balances on the 31st March 1893, carried to Account for 1883–94 - - -	29 1 8	1,939 7 10
£.	2,029 1 8	1,939 7 10

E. Maunde Thompson,
Principal Librarian and Secretary.

VII.—NUMBER of PERSONS ADMITTED to VISIT the BRITISH MUSEUM and the BRITISH MUSEUM (NATURAL HISTORY).

A.—PERSONS admitted to View the GENERAL COLLECTIONS in the British Museum in each Year from 1887 to 1892, both Years inclusive.

	1887.	1888.	1889.	1890.		1891.		1892.	
	No.	No.	No.	Day. No.	Evening. No.	Day. No.	Evening. No.	Day. No.	Evening. No.
JANUARY -	33,176	37,472	35,360	35,013	—	33,563	3,237	33,559	2,789
FEBRUARY -	27,413	33,311	34,622	31,876	15,230	31,369	3,836	32,482	3,964
MARCH -	33,412	40,136	37,366	32,092	9,535	44,058	3,984	39,484	3,531
APRIL - -	46,414	54,698	52,716	54,141	7,442	42,270	4,012	48,980	3,222
MAY - -	50,493	46,922	43,509	43,101	6,212	46,449	3,865	37,358	3,006
JUNE - -	44,628	42,108	53,792	34,318	4,963	35,677	galleries closed.	41,516	3,284
JULY - -	52,223	45,739	46,964	45,036	4,712	45,753	3,246	40,904	2,613
AUGUST -	58,819	53,793	51,359	49,710	3,543	52,998	4,420	71,044	4,354
SEPTEMBER -	40,508	40,674	37,681	39,429	4,301	39,440	4,273	50,353	4,504
OCTOBER -	37,078	39,208	40,427	36,061	4,431	37,162	3,581	44,339	3,506
NOVEMBER -	31,390	29,930	34,559	31,105	3,629	32,007	3,346	37,964	3,095
DECEMBER -	45,700	34,519	36,182	31,951	2,341	34,019	2,349	39,946	2,751
Total Number of Persons admitted to view the General Collections -	501,256	498,510	504,537	463,833	66,339	474,765	40,149	517,929	40,619
				530,172		514,914		558,548	

NUMBER OF VISITS TO PARTICULAR DEPARTMENTS.	1887.	1888.	1889.	1890.	1891.	1892.
To the Reading Room, for the purpose of research and reference -	182,778	188,432	190,025	197,823	198,310	197,984
To the Newspaper Room, for the purpose of research - - -	11,802	14,499	14,524	15,216	14,529	14,590
To the Map Room, for the purpose of special research - -	169	101	196	178	162	299
To the Department of Manuscripts, for the purpose of examining Select and other Manuscripts - - - -	5,749	8,873	8,817	7,805	8,257	8,197
To the Galleries of Sculpture, for the purpose of study - -	10,341	10,687	13,122	11,686	6,625	5,815
To the Coin and Medal Room, for the purpose of study, &c. -	1,952	2,003	2,108	1,988	1,727	1,723
To the Gold Ornament and Gem Room - - - - - -	11,719	15,138	20,747	19,128	19,607	19,801
To the Print Room, for the purpose of study - - - -	5,511	5,851	4,850	5,220	5,370	5,474
TOTAL - - -	230,021	245,584	254,389	259,044	254,587	253,883

The Christy Collection was removed from 103, Victoria-street, to the British Museum, during the year 1883.

The Exhibition Galleries of the British Museum, Bloomsbury (including the Departments of Printed Books and Maps, Manuscripts, Prints and Drawings, Egyptian and Assyrian Antiquities, Greek and Roman Antiquities, British and Mediæval Antiquities and Ethnography, and Coins and Medals), are open to the public, free, as under:—

MONDAY, WEDNESDAY, FRIDAY, and SATURDAY—The whole of the Galleries.

TUESDAY and THURSDAY—The whole of the Galleries, except British and Mediæval Antiquities and Ethnography and rooms in the "White" Wing.

The hours of Admission are from—

10 a.m. till 4 p.m. in January, February, November, December.

10 a.m. till 5 p.m. in March, September, October.

10 a.m. till 6 p.m. in April, May, June, July, August.

Also on—

MONDAY, WEDNESDAY, and FRIDAY EVENINGS (8 to 10 p.m.)—Exhibitions of Manuscripts, Books, Prints and Drawings, Coins and Medals, Porcelain, Glass, Majolica, Prehistoric, Mediæval, and Ethnographical Collections, &c.

TUESDAY, THURSDAY, and SATURDAY EVENINGS (8 to 10 p.m.)—Egyptian, Assyrian, Greek, and Roman Galleries, and Prehistoric Saloon.

The Museum is closed on Sundays, Good Friday, Christmas Day, and days of Public Fast and Thanksgiving.

Persons applying for the purpose of research and reference are admitted to the Reading Room under certain regulations every day, except the days specified below, in the months of January, February, March, April, September, October, November, and December, from 9 a.m. till 8 p.m.; and in the months of May, June, July, and August, from 9 till 7. The Newspaper Room is open, under similar regulations, from 10 a.m. until ten minutes before the hour of general closing.

The Reading Room, Newspaper Room, and Students' Room, Department of Manuscripts, are closed on Sundays, Good Friday, Christmas Day, and the first four week-days in March and September.

Students are admitted generally to the several Departments from 10 till 4 o'clock: to the Sculpture Galleries from 9 o'clock till the hour of general closing; and to the Print Room from 10 till 4 o'clock from January to March, and from August to December, and from 10 till 5 from April to July.

British Museum,
30 March 1893.

E. Maunde Thompson.
Principal Librarian and Secretary.

B.—PERSONS ADMITTED TO VIEW THE COLLECTIONS IN THE BRITISH MUSEUM (NATURAL HISTORY), CROMWELL ROAD, in each Year from 1887 to 1892, inclusive.

	1887:	1888:	1889:	1890:	1891:	1892:
JANUARY	24,529	28,095	24,699	24,273	25,146	30,002
FEBRUARY	21,560	22,093	20,391	17,937	21,376	22,984
MARCH	27,431	32,622	30,294	22,439	39,697	26,014
APRIL	40,207	47,926	49,262	45,309	32,102	43,765
MAY	36,126	37,822	31,866	38,034	36,841	24,516
JUNE	27,742	27,967	42,201	32,381	26,405	33,697
JULY	27,114	33,758	28,485	29,820	31,923	25,612
AUGUST	36,584	43,073	40,138	40,434	47,635	37,193
SEPTEMBER	29,817	27,404	25,262	29,329	32,217	26,285
OCTOBER	29,424	22,225	23,264	28,138	31,496	28,965
NOVEMBER	23,170	21,491	20,319	23,144	23,366	24,539
DECEMBER	34,474	28,326	24,865	24,444	27,702	28,345
TOTAL Number of Persons admitted to view the Natural History Collections (including Students)	358,178	372,802	361,046	355,682	375,906	351,917

Number of Visits to particular Departments, for the purpose of Study—	1886:	1887:	1888:	1889:	1890:	1891:	1892:
ZOOLOGY	8,372	8,955	8,797	8,360	9,034	9,443	10,932
GEOLOGY	2,466	3,290	3,111	3,339	3,771	2,961	4,107
MINERALOGY	761	620	733	683	623	946	1,751
BOTANY	1,026	1,483	2,214	1,344	1,244	2,226	2,585
TOTAL	12,625	14,348	14,855	13,726	14,672	15,576	19,375

The Exhibition Galleries of the British Museum (Natural History), Cromwell-road, South Kensington, including the Departments of Zoology, Geology and Palæontology, Mineralogy, and Botany, are open to the public, free, every day of the week, except Sunday, and except Good Friday and Christmas-day, and days of Public Fast or Thanksgiving.

The Hours of Admission are from—

10 a.m. till 4 p.m. in January, November and December.
10 a.m. till 4.30 p.m. in February.
10 a.m. till 5 p.m. in October.
10 a.m. till 5.30 p.m. in March and September.
10 a.m. till 6 p.m. in April, May, June, July and August.
10 a.m. till 8 p.m. on Monday and Saturday only, from 1st May to the middle of July.
10 a.m. till 7 p.m. on Monday and Saturday only, from the middle of July to the end of August.

Persons are admitted daily to study in these Departments from 10 till 4 o'clock.

British Museum (Natural History), 30 March 1893.

W. H. Flower, Director.

VIII.—General Progress at the Museum, Bloomsbury.

There has been a large increase of visitors to the Museum in the day-time during the past year, the number being 517,929, as against 474,765 in 1891. There is also a small increase in the number of evening visitors. The average daily number of visitors in the day-time was 1,660; that of visitors in the evening was 130. The grand total of 558,548 is the highest that has been reached since the year 1885.

With the view of bringing into better position the finest of the Assyrian sculptures hitherto exhibited in the room known as the Assyrian Basement, and of economising space, the several series of bas-reliefs from Nineveh, representing the siege of Lachish by Sennacherib, the great Lion Hunt, and other scenes of the chase, have been raised and affixed to the walls of the room on a level with the ground floor of the Museum, the small ante-room, formerly known as the Phœnician Room, being also occupied by part of the series. At this level a light gallery will be carried round the Assyrian Basement room, to enable visitors to examine the sculptures; and the basement floor will be entirely cleared of the standard walls on which part of the sculptures were exhibited. The basement thus freed of encumbrances will be fitted and furnished as a lecture-room.

The re-arrangement of the sculptures in the Mausoleum Room has made progress, the most important work being the erection of a specimen of the *order* of the Mausoleum, consisting of an Ionic column, with architrave, frieze, and cornice, and part of the lacunaria of the ceiling. The Chariot Group of Mausolus and Artemisia has also been placed in position.

In the Second Northern Gallery, which, since the removal of the objects of Natural History formerly occupying it, has been temporarily used for the storage of books and exhibition of prints, there are now being brought together and arranged the Cyprian and Semitic antiquities which have been hitherto scattered in various rooms of the Ground Floor and in the basement: also the Asiatic antiquities which illustrate the religions of the East, and a small series of Early Christian objects. The Cyprian antiquities will occupy the bay on the landing of the North-Western Staircase, at the entrance of the Gallery, and the first small room. The next (Semitic) room will contain Phœnician, Libyan, Hebrew, Palmyrene, Himyaritic, and Kufic inscriptions and antiquities. In illustration of the Eastern religions, the large central room will be assigned to Buddhism in ancient and mediæval India, Ceylon, Burmah, China, and Japan; and two smaller rooms at the eastern end of the Gallery will receive objects connected

nected with Brahmanism and other religions, as well as Early Christian antiquities. The arrangement is nearly complete.

The Department of Coins and Medals has been removed to its new quarters on the western side of the Museum.

Preparations are being made for the installation of incandescent electric lights in the Reading Room, which will be completed before the autumn.

There has been a slight reduction in the number of persons using the Reading Room in 1892. The number of visits to the room has been 197,984, as against 198,310 in 1891. The average daily number of readers has been 651.

The average numbers in the room counted at certain hours of the afternoon have been:—

4 P.M.	5 P.M.	6 P.M.	6.30 P.M.	7 P.M.	7.30 P.M.
361	272	192	128	133	95

The number of volumes supplied to readers was 1,366,596, as against 1,269,720 in 1891.

The fluctuation in the numbers of the students in other Departments is generally slight, but there has been a further reduction in the number of art students using the Sculpture Galleries.

Presentations of Museum publications, including reproductions of drawings by Old Masters and casts of antique engraved gems, have been made to Free Public Libraries, Local Museums, and Art Schools throughout the United Kingdom.

The most important addition to the collections during the year is the Royal Gold Cup, which was purchased partly from special grants made by the Lords Commissioners of Her Majesty's Treasury, but chiefly from the liberal contributions of a limited number of subscribers. The acquisition of this beautiful specimen of mediæval art restores to this country an object which, though French in its origin, formed for nearly two hundred years part of the treasure of the Kings of England. The larger portion of the price having been defrayed by the amount of the private subscriptions, the Cup may with propriety be included under the head of donations to the Museum. The names of the subscribers will be found below, p. 62, together with a description of the Cup.

Among the other principal donations of the year are the following:—

From the Rev. G. J. Chester (by bequest), a green basalt weight, inscribed with the name of Nebuchadnezzar II., for one *mana*, according to the standard of Dungi, King of Babylonia, about B.C. 2,500.

0.108. From

From Lord Savile, G.C.B., marbles and terra-cottas, from excavations at Porta Portese and Civita Lavinia.

From the Dean and Chapter of Westminster, a very extensive collection of writs of all kinds, for various counties of England, *tempp.* Henry IV.—Henry VIII.

From C. Drury Fortnum, Esq., D.C.L., a plate of enamelled German ware, of great rarity, late 15th century.

From Major R. C. Temple, a collection of Indian coins, and of Burmese coins illustrating the history and development of the coinage of Burmah.

The sum of two thousand pounds has been bequeathed by the late Miss Emma T. Turner, to be applied at the discretion of the Trustees of the British Museum for the purpose of excavation, exploration, or survey of sites, in furtherance of the study of the antiquities of Greece, Rome, or Egypt, or of Biblical antiquities.

The following are the publications issued by the Departments at Bloomsbury during the year, :—

Continuation of the General Catalogue of the Library, folio, 23 parts, viz. :—Bible, Part I.; Catalogues; Holland-Homen; Mary-Massillon; Maurice-Mazzutelli; Meini-Mendthal; Mene-Mersy; Mert-Meyzner; Mez-Migurski; Mihailowski-Milton (H.); Milton-Mi Tertulia; Mitford-Mollat; Molle-Montaix; Montal-Moarland; Moorman-Morin Dumesnil; Morine-Mosquito Coast; Moss Gatherers-Mueglin; Muhammad-Murdter; Mure-Mzhedlov; N.-Napoleonism; Napoles-Neech; Netherley-New Zealanders; New-Nicolasius.

Catalogue of Accessions to the Library, folio, 26 parts.

The Tell el-Amarna Tablets in the British Museum, with Autotype facsimiles.

Aristotle on the Constitution of Athens. Text. 3rd edition.

The Poems of Herodas: Autotype facsimile of the papyrus.

Catalogue of Greek Sculpture, by A. H. Smith. Vol. I.

The same in parts (to serve as guide-books) :—

Part I. Archaic Greek Sculpture.
Part II. Sculptures of the Parthenon.
Part III. Sculptures by the Successors of Pheidias.

Catalogue of Greek Coins in the British Museum :—

Ionia, by B. V. Head, with Autotype plates.

Mysia, by W. W. Wroth, with Autotype plates.

Alexandria and the Nomes, by R. S. Poole, with Autotype plates.

Catalogue

Catalogue of Indian Coins in the British Museum :—

The Coins of the Moghul Emperors of Hindustan, by S. Lane Poole, with Autotype plates.

Catalogue of Chinese Coins from the 7th century, B.C. to A.D. 621, including the series in the British Museum, by Terrien de Lacouperie.

Catalogue of the Marathi and Gujarati Books in the British Museum.

Prints in the British Museum reproduced by photogravure. New series. Part IV. (Italian Prints, 16th century), 18 plates.

Guide to the Exhibition Galleries of the British Museum, Bloomsbury (1st edition, 1880), with maps and plans.

Exhibition of Drawings in the Prints and Drawings Gallery (White Wing), 2nd edition.

Description of the Reading Room (Reprint).

British Museum,
30 March 1893.

E. Maunde Thompson,
Principal Librarian and Secretary.

IX.—PROGRESS made in the ARRANGEMENT AND CATALOGUING OF COLLECTIONS, AND ADDITIONS MADE TO THEM, in the Year 1892. (Bloomsbury.)

DEPARTMENT OF PRINTED BOOKS.

I. *Arrangement.*—The works added to the collection during the past year have, as far as possible, been placed on the shelves of the Library according to the system of classification adopted in the Museum. The press-marks, indicating their respective localities, have been marked on the inside and affixed to the back of each volume; also on the title-slips.

The total number of these press-marks amounts to 82,227; in addition to which 23,954 press-marks have been altered, in consequence of changes and re-arrangements carried out in the Library; 40,438 labels have been affixed to books and to volumes of newspapers, and 67,946 obliterated labels have been renewed.

The process of attaching third-marks to the books in the New Library, with the view of accelerating their delivery to readers, has been continued; 11,533 books have thus been marked during the year, and the corresponding alterations have been carried out in the General and Hand Catalogues; 1,358 volumes of country newspapers have also been numbered, and for London and country newspapers 3,062 index-slips have been written.

The number of stamps impressed upon articles received has been 381,443.

About 3,030 presses of books and newspapers have been dusted in the course of the year.

II. *Catalogues.*—(*a.*) *Cataloguing.*—51,063 titles have been written (the term "title" applying equally to a main title and to a cross reference). Of these, 40,429 were written for the General Catalogue, 3,137 for the Map Catalogue, and 7,497 for the Music Catalogue.

(*b.*) *Printing.*—38,990 titles and 771 index-titles for the General Catalogue, and 1,807 titles for the Map Catalogue, have been prepared for printing during the year, upon the plan announced in the Statement of Progress for 1879; and 38,875 title-slips and 637 index-slips for the General Catalogue, and 2,767 title-slips for the Map Catalogue were printed off.

Progress has also been made in printing the whole Catalogue in alphabetical sequence from the beginning. With the exception of the headings "England," "France," "Great Britain,"

Britain," "Liturgies," "Luther," and a few others, the Catalogue, at the end of 1892, was either printed or at press as far as the end of letter N.

Of the heading "Bible," Part I., containing the complete Bibles in all languages, has been issued.

One hundred and fifty manuscript volumes have been sent to press during the year; 24 printed parts, including Bible, Part I., and representing altogether 157 manuscript volumes, have been delivered by the printer.

(*c.*) *Incorporation.*—(1.) *General Catalogue.*—38,971 title-slips and 1,028 index-slips have been incorporated into each of three copies of this Catalogue. This incorporation has rendered it necessary, in order to maintain, so far as possible, the alphabetical arrangement, to remove and re-insert 22,027 title-slips and 453 index-slips in each copy, and to add to each copy 295 new leaves; while, in the preparation of the manuscript volumes for printing, it has been necessary to remove and re-insert 38,055 title-slips in one copy only, and to add thereto 169 new leaves.

The system of fortnightly incorporation, introduced in 1889, and described in the Annual Report for that year, has been carried out with perfect regularity during the past year.

(2.) *Hand-Catalogues.*—The number of new entries made in the Hand-Catalogue of "Academies" was 207; in that of "Periodical Publications," 331; and in the Hand-Catalogues of London and of Country Newspapers, 269 and 2,793 respectively. The Hand-Catalogue of the collection of London Newspapers, placed in the Newspaper Room in the White Wing, comprising the London papers of this century, is now complete; while considerable progress has also been made with that of the collection of the earlier London and of the country papers, placed in the New Library.

(*d.*) *Map Catalogue.*—3,137 titles have been written for the Map Catalogue, and 2,839 title-slips have been incorporated into each of three copies of it. This incorporation has rendered it necessary to remove and re-insert about 1,500 title-slips in each copy, and to add to each copy about 16 new leaves.

(*e.*) *Music Catalogue.*—7,497 titles have been written for the Music Catalogue.

(*f.*) *Shelf Catalogue.*—For this Catalogue, in which the title-slips mounted on cartridge-paper are arranged in order of press-marks, 54,520 have been so mounted, and 115,350 have been incorporated into the boxes.

(*g.*) *Catalogues of Books of Reference in the Reading Room.*—The additions and alterations in each of the three interleaved copies of the Catalogue of Books of Reference in the Reading Room, which are requisite in order to record the changes in this collection by the addition of new works, and the exchange of old for new editions, have been made. The number of additions to each copy has been 90.

The collection of books in the galleries of the Reading Room has continued to receive additions by the incorporation of new works of interest and importance, and the substitution of new for older editions. The number of additions to each of the interleaved copies of the Catalogue of this collection has been 220.

III. *Binding.*—The number of volumes and sets of pamphlets sent to be bound in the course of the year has been 10,905, including 1,862 volumes of newspapers. In consequence of the frequent adoption of the plan of binding two or more volumes in one, the number of volumes returned has been 7,034; in addition to which 778 pamphlets have been separately bound. 969 volumes have been repaired at the binder's, besides which, since September, 1,372 volumes have been slightly repaired in the Library, by which it is hoped that a considerable future expense has been avoided.

The following maps, charts, &c., have also been bound or mounted during the year:—44 atlases and 23 volumes of the 25-inch Ordnance Survey have been bound; 58 sheets of the 1-inch (and under) Ordnance Survey, 48 Admiralty charts, and 201 maps have been mounted on jaconet, and 226 maps mounted on cards.

IV. *Reading Room Service.*—The number of volumes returned to the General Library from use in the Reading Room has been 876,776; to the Royal Library, 16,746; to the Grenville Library, 1,469; to the Map Room, 2,887; to the presses in which books are kept from day to day for the use of readers, 465,715; and to the Oriental department (from April to December), 3,003; making a total amount of 1,366,596 volumes supplied to readers during the year. The number of readers during the year has been 197,984, giving an average of about 651 daily, the room having been opened on 304 days; and an average of over six volumes daily for each reader, not reckoning those taken from the shelves of the Reading Room by the readers themselves.

Newspaper Room.—The total number of readers during the year has been 14,590, giving a daily average of nearly 48. The number of volumes replaced after use was 46,801, giving a daily average of over three volumes to each reader.

Map Room.—299 visitors have been admitted to the Map Room for the purpose of geographical research.

V. *Additions.*—

V. *Additions.*—(*a.*) 40,903 volumes and pamphlets (including 1,495 books of music and 82 atlases, &c.) have been added to the Library in the course of the year, of which 12,785 were presented; 12,852 received in pursuance of the laws of English copyright; 663 by international exchange; and 14,603 acquired by purchase.

The extraordinary increase in the number of works presented, amounting to about three times that of any former year for a long period, is due to the munificent gift of 8,000 theses from the University of Upsala, which will be found duly noticed under the heading "Donations and Bequests."

(*b.*) 74,508 parts of volumes (or separate numbers of periodical publications, and of works in progress) have also been added, of which 13,550 were presented; 32,404 received in pursuance of the laws of English copyright; 327 by international exchange, and 28,227 acquired by purchase.

(*c.*) 1,067 maps in 6,759 sheets have been added to the collection in the course of the year, of which 442 maps in 735 sheets were presented; 364 maps in 4,766 sheets received under the provisions of the laws of English copyright, and 261 maps in 1,258 sheets acquired by purchase.

(*d.*) 5,148 pieces of music, each piece complete in itself, have been acquired by copyright during the year.

(*e.*) The number of newspapers published in the United Kingdom, received under the provisions of the Copyright Act during the past year, has been 2,486, comprising 170,618 single numbers; 659 of these newspapers were published in London and its suburbs; 1,400 in other parts of England and Wales and in the Channel Islands; 232 in Scotland, and 195 in Ireland; 91 volumes and 234 numbers of old newspapers, belonging to eight different sets, have been purchased; 35 sets, containing 1,267 numbers, of foreign and colonial newspapers have been presented; and 18 volumes and 20,981 numbers of modern foreign and colonial newspapers, belonging to 94 different sets, have been purchased.

(*f.*) The number of distinct works comprised in the 40,903 volumes and pamphlets, the 74,508 parts of volumes, the 1,067 maps and the 5,148 pieces of music already mentioned, amounts, as nearly as can be ascertained, to 41,097. Of these, 12,131 were presented, 15,761 acquired by English copyright, 490 by international exchange, and 12,715 by purchase.

(*g.*) 3,192 articles have been received in the Department not included in the foregoing paragraphs, comprising broadsides, current Parliamentary Papers, and other miscellaneous items. The addition of this number to those already

already given produces a total of 127,441 articles received in the Department in the course of the year.

Acquisitions of Special Interest.—A signal opportunity of enriching the Library has been afforded by the sale at Paris in May last of the second and most important portion of the Heredia Library, consisting principally of Spanish poems, dramas and romances. This great collection was originally formed by the celebrated Spanish bookseller and bibliographer Salvá, and the majority of the books comprised in it are fully described in his catalogue. Its richness is sufficiently indicated by the fact that the mere register of its contents is the standard authority on early Spanish bibliography. Seventy-five books were purchased on this occasion, nearly all of which deserve to be reckoned among the rarest treasures of Spanish literature. Among them may be particularly named what are in all probability the two earliest printed Spanish Cancioneros, those of Ramon de Llabia and Iñigo de Mendoza, both probably printed at Zamora about 1481 or 1482. Two other Cancioneros of great rarity and interest were also acquired, the Cancionero de Nuestra Señora, 1591; and Mercader, El Prado de Valencia, 1601. In miscellaneous poetical literature, the most remarkable acquisitions are the Spanish poems of Prince Pedro of Portugal, probably printed at Lisbon about 1499, and an unique specimen of the works of Moner, an excellent Catalan poet who was thought worthy of a handsome posthumous edition at Barcelona in 1528, and now apparently survives only in this single copy. Other acquisitions of great interest in this department of literature are Guillen de Avila's panegyric upon Queen Isabella the Catholic, 1509; Hernandez, Historia Partenopea, Rome, 1516, an epic on the achievements of Gonzalo de Cordova, extremely rare, and said by Salvá to be the most inaccurately printed of all Spanish books; Mendez, Regimiento de Salud, Salamanca, 1541; Seraphin, Dos libres de poesia vulgar, Barcelona, 1565; early translations of portions of Juvenal and Prudentius; and a collection of twenty sets of poetical pieces in honour of the Immaculate Conception, all printed between 1615 and 1617. Six Spanish dramas of the sixteenth century, and seven Portuguese of the seventeenth, were also acquired; the Portuguese theatre, as respects early contemporary editions, having hitherto been almost unrepresented in the Museum. The acquisitions of romances of chivalry and cognate works were also of great importance, including the celebrated Doctrinal de los Caballeros, Burgos, 1487, and three of the rarest romances of chivalry, Polindo, Toledo, 1526; Felix Magno, Barcelona, 1549; and Memorial de las proezas da segunda Tavola Redonda, a Portuguese romance of the Arthurian cycle; besides the Tragedia de Mirra, 1536, a very rare

rare romance, which from its title has been frequently mistaken for a drama. Among numerous miscellaneous acquisitions may be especially enumerated, "Vocabulario de la lengua general del Peru llamada Quichua," Lima, 1604, apparently a second edition of the "Arte y vocabulario" printed in 1586, and containing the preface to it, which is wanting in the only known copy; "Exemplario contra los engaños y peligros del mundo," 1531, a translation of the Pancha Tantra, with most singular woodcuts of animals; "Historia de la donzella Theodor," a didactic romance; and "Veneris Tribunal," Venice, 1537, a fanciful work in Spanish, somewhat in the style of the Polifilo, of which only one other copy is known.

Only one Bible of especial interest has been obtained during the past year, the edition of Tyndale's New Testament printed by Day and Seres in 1548, the only other known copy of which is in the library of the Dean and Chapter of Windsor. Five important Liturgies have been purchased: I. The Missal of the diocese of Gran, probably printed at Augsburg about 1501. II. Horologium of the Greek Church, Venice, 1563, the only copy known. III. A most elegant miniature book of Hours, on vellum, Matthaeus Moravus, Naples, 1486, unique in this edition, though three similar ones are among the Cassano books in the Spencer collection. IV. The Common Prayer, 1603, an undescribed edition, unfortunately much mutilated, but apparently the first issued in the reign of James I. V. Kirchenordnung wie es in dem Olthainlicher Furstenthumb gehalten wird, Nuremberg, 1543. Four early editions of the Quignon Breviary have also been purchased, doubling the number previously in the Museum.

Purchases in miscellaneous literature include three incunabula of great celebrity:—the second impression of Sweynheym and Pannartz's edition of Cicero's Epistolae ad Familiares, Rome, 1469; a superb vellum copy of Nicolas Jenson's edition of Gratian on the Decretals, Venice, 1474; Jerome's Commentaries, Gregorius de Gregoriis, Venice, 1497–98, famous for the splendid border surrounding the first leaf. Other acquisitions are: A brief of Pope Sixtus IV., for rebuilding a church at Erfurt, 1472, remarkable for being in Low German; Brief of Pope Paul IV., December 21st, 1558, revoking all licences for the perusal of heretical books; a German translation, with comments by a Protestant, of Bishop Bonner's Articles of Inquiry, 1554; the German Legend of St. Katherine, Augsburg, 1515; "Mirouer Historial de France," Paris, 1516; "Britonio, Elegantissimo Dialogo Pastorale e Maritimo," on the election of Pope Paul III., Rome, 1534; "Otrozhia Biblia," the Child's Bible, Ratisbon, 1566, a catechism in Slovenian, Croatian, German, Latin, and Italian; Bialobrzeski's Catechism, 1567; Irish Catechism, 1680; "Chronica az Magyarotinac Dolgairol," Kolosvar, 1575, a history of Hungary to the battle of Mohacz, by Gaspar Heltai, the

first Transylvanian printer; Vertot, "Révolutions de Portugal," and "Révolutions de Suède," printed by Renouard on vellum, 1795, two of the most beautiful of modern vellum books; an unique vellum copy of the Bibliothèque Gothique in twenty-eight parts, including Villon's Grand and Petit Testament, and other works of similar period and character, printed with special type for the Prince of Essling, 1868–74; "La République Française," Gambetta's organ, from 1871 to 1887.

The most striking acquisition in early English literature is one of extraordinary interest, being a unique black letter ballad on the accession of Queen Mary, signed T. W., and printed by Roger Madeley, a typographer otherwise unknown. It must have been written and printed between Northumberland's committal to the Tower, July 25th, 1553, and Mary's entry into London on August 3rd. Its poetical merit is very small, but it is a valuable testimony to the state of popular feeling. Another important production of the early English press, though the text is Latin, has been acquired in John Constable's Epigrams, printed by Pynson in 1520. Only one other copy is known, that in the Bodleian, from which the imperfections of the Museum copy have been made good in *fac-simile*. Great interest also attaches to Archbishop Parker's form of thanksgiving for the deliverance of Malta from the Turks, 1565, which makes no allusion to any doctrinal differences between Roman Catholics and Protestants. A very rare and interesting book has been acquired in William Hunnis's "Hyve full of Hunnye," 1578, a metrical rendering of Genesis. With it may be named "Treatise concernyng divers of the Constitucyons," printed by Thomas Godfray [1532]; Guevara, Dial of Princes, first English edition: Erasmus, Complaint of Peace, 1559; A true Relation of the Vanquishing of the town Olinda, Amsterdam, 1636; Sampson, Warning to take heed of Fowler's Psalter, 1578; The Gentlewoman's Jewel, 1624. Among remarkable acquisitions of later date are King's "Devotions of Confraternity of Rosary," with special prayers against the great plague of 1665; the first edition of Dryden's first play, "The Rival Ladies," 1664, so rare that its existence has been disputed; and first editions of Wycherley's "Love in a Wood," Farquhar's "Stage Coach," and Vanbrugh's "Relapse," the last two believed to be unique. In modern poetry, besides the valuable acquisitions described under the head "Donations," are to be mentioned Charles Lloyd's poems on the death of his grandmother Priscilla Farmer, Bristol, 1796, with contributions by Coleridge and Lamb, a work of the greatest rarity; Landor's Latin translation of his Gebir, Oxford, 1803; his even rarer "Terry O'Hogan," 1836; and one of a very small number of copies of the Earl of Lytton's "King Poppy," circulated among friends about 1875, and differing in almost every line from the poem as eventually published.

Purchases

Purchases of curiosities include several books with MS. notes, among the most remarkable of which are Edward Irving's Missionaries after the Apostolical Church, 1826, and Bishop Blomfield's Charge, 1830, both annotated by Coleridge; the first volume of Allan Cunningham's Lives of the British Painters, with copious MS. notes by Hartley Coleridge; Martial, with numerous MS. notes by John Owen the epigrammatist: Bishop Gibson's Chronicon Saxonicum, and Godwin's De Praesulibus Angliae, both with extensive MS. additions by the antiquary Wanley; Shelley's Posthumous Poems, with MS. corrections by his friend Gisborne; Victor Hugo's Nôtre Dame, 1836, with his autograph and four lines of verse in his handwriting; The Pickwick Papers in the original edition, with MS. notes by "The George and Vulture Club;" and Carlyle's "Past and Present," second edition, abundantly scored by Ruskin. Among other curiosities may be named, a prospectus of Coleridge's lectures on Shakespeare in 1818, bound up with a copy of his "Zapolya;" newspaper cuttings and separate impressions of single poems by Lord Tennyson, and his Chancery affidavit in his application for an injunction against J. Camden Hotten; Goethe's copy of Salvandy's "Histoire de la Révolution de 1830," which he was reading on the morning of his death; proof sheets of De Quincey's "Essay on War," copiously corrected; and a proclamation of the La Vendée Royalists issued in the name of Louis XVII.

Special collections have been obtained of numerous editions of the Canons and Decrees of the Council of Trent, and of the Index Librorum Prohibitorum: of several sets of Papal bulls on particular subjects; of tracts relating to Dantzic in the sixteenth and seventeenth centuries; of the works of the Dutch satirist Fokke; of Dutch academical theses; of works on the Dutch and Spanish possessions in the Eastern Archipelago; of Tahitian official documents; of French tracts on political economy, finance, and socialism; of children's books, including several of Newbery's early publications, and in particular the third, which is the earliest extant, edition of Goody Two Shoes; and an extensive and curious collection of placards of Spanish bull-fights.

Donations.—These include two of unusual literary interest. From Lady Shelley, widow of the late Sir Percy Florence Shelley, Bart., the Museum has received one of the only three known copies of Shelley's "Œdipus Tyrannus, or Swellfoot the Tyrant," the entire impression of which was destroyed, with the exception of seven copies. By this most generous donation the set of original editions of Shelley's works in the Museum has been rendered all but complete. With equal liberality, Mr. Francis Turner Palgrave has presented what is probably the only copy extant of the first two of Tennyson's Idyls of the King in their original form of "Enid

and Nimuë, or the True and the False." Six copies are stated to have been privately circulated among friends, all of which, except this, were reclaimed and destroyed by the author. The variations from the text as ultimately published afford a most instructive study. A highly interesting gift of a similar character is a copy of Leigh Hunt's "Religion of the Heart," prepared for republication under the title of "Cardinomia," with copious MS. alterations by the author, presented by Miss Ada Reynell. The family Bible of Jeremiah Bentham, father of Jeremy and Sir Samuel Bentham, with entries of the births of his children, has been received as a gift from Sir Joseph D. Hooker, and a translation of Pilgrim's Progress into the language of Rarotonga, printed about 1845, on paper made from the bark of the native mulberry tree, has been presented by Sir George Grey, K.C.B.

Presentations of collections of books and documents include a most munificent one from the University of Upsala of about eight thousand academical dissertations delivered before the University during the last two centuries; a highly important collection of reports from labour bureaus in the United States, presented by the Central Bureau at Washington; a set of Monte Videan books presented by E. M. Satow, Esq., H.B.M. Minister to the Republic of Uruguay; and a continuation of the valuable annual donations of colonial newspapers made for several years past by the Royal Colonial Institute.

Maps.—The most important acquisitions of maps during the past year have been: 'T Hoogh-Heemraetschap vande Uytwaterende Sluysen in Kennemerlandt ende West-Vrieslandt. Afgemeten en afgeteÿckent deur J. Douw. . . . A. Deur scripsit . . . K. Decker sculpsit. [1 : 31,000.] 16 sheets [Amsterdam, 1650 ?]

Die Entdeckung Amerika's in ihrer Bedeutung für die Geschichte des Weltbildes, von K. Kretschmer. Atlas der Festschrift der Gesellschaft für Erdkunde zu Berlin zur vierhundertjährigen Feier der Entdeckung Amerika's. 40 Tafeln in Farbendruck. W. H. Kühl: Berlin, 1892. fol. Festschrift. 1892. 4°.

Théâtre de l'Univers, contenant les cartes de tout le Monde. Avec une brieve declaration d'icelles. Par A. Ortelius. [91 maps, with "Augmentation III." 24 maps.] C. Plantin: Anvers, 1581–85, fol. The only other copy of this edition of Ortelius's "Theatrum" at present known is in Trinity College Library, Cambridge.

Music.—The accessions to the Collection of Music include several works of interest and rarity. Among them mention may be made of a set of four books of madrigals for five voices (1604–7), published without author's name, but which appear from the dedications to be unknown editions of the works

works of the Prince of Venosa, a musical genius whose originality has given rise to much controversy. The second book of Palestrina's Madrigals (1586); two books of Madrigals by Cyprian de Rose (1571–5); the second book of Motets by Vincenzo Ugolino (1622); a copy of the Motets of Annibale Orgas (1619); and a complete set of Cifra's Vespers (1610), are also valuable additions to the collection of early Italian music. A copy of the extremely rare first edition of the "Opusculum Musices" of Simon de Quercu, printed at Vienna in 1509; two works for the Spanish guitar, viz., the "Capricci" of G. B. Granata, and the anonymous "Intavolatura di Chitarra," both published at Bologna in 1646; the "Harmonisches Denckmahl" (1714), and "Brauchbare Virtuoso" (1720), two rare works by Mattheson, Handel's rival; a copy of the plain-chant setting of the Music for Holy Week by Juan Navarro, printed at Mexico in 1604, one of the earliest musical works printed in America; and an interesting collection of twenty-two Bass part-books of French and Italian Madrigals, published in Paris between 1550 and 1560 and bound together in one volume, are also among the more important acquisitions of the year.

R. Garnett.

Department of Manuscripts.

1. *Catalogue of Romances.*—The preparation of the second volume has been continued. Church Legends, contained in fifty-four MSS., The Voyage of Brendan in nineteen, and Vision of Tundale in one MS., have been described. Descriptions of Miracles of the Virgin in twenty-seven MSS. have been revised. Proof-sheets and revises 2 F—2 P have been read for press.

2. *Catalogue of Spanish Manuscripts.*—The fourth volume, which completes the whole of the descriptions, is being bound and will shortly be issued.

3. *Catalogue of Irish Manuscripts.*—Of the Catalogue prepared by Mr. S. H. O'Grady sheets 2 S—2 U have been sent to the printers and revised.

4. *Catalogue of Music.*—Articles contained in one hundred and fourteen MSS. have been described, and in many cases the leaves of the MSS. have been re-arranged.

5. *Catalogue of Additions.*—The Catalogue of Additions for 1891 has been copied and transferred sevenfold, bound and issued. The Additional MSS. 34,119–34,275, acquired in the year 1892, have been described and indexed.

The acquisitions of the year have been entered in the registers.

6. *Catalogue of the Stowe MSS.*—The description of the Stowe Collection is completed, and the index has been begun. The copy will shortly be sent to the printers, and it is hoped that the volume will be issued at an early date.

7. *Catalogue of Seals.*—The second volume of the Catalogue has been printed and issued. The descriptions of Heraldic Seals P—R have been revised and sent to the printer. The sheets B—Y of the third volume have been revised.

One hundred and seventeen detached Bullæ and casts have been arranged and registered.

8. *Catalogues of Charters and Rolls.*—The final revision for the press of the General Index of names and subjects in the several collections of Charters and Rolls acquired before the year 1882 is in progress.

Additional Charters 29,856–31,672, acquired in 1887, have been described.

Slip-descriptions of additional Charters and Rolls 28,524–30,000, forming Vol. X. of the Catalogue of Additional Charters, have been bound and placed in the Students' Room in continuation of the series.

9. *Catalogue of Papyri.*—Sheets S—2 D of the Catalogue have been revised; the Introduction is written, indices prepared, and the plates arranged.

A third edition of the Papyrus CXXXI. *verso*, (Ἀθηναίων πολιτεία) has been printed and issued.

Papyrus CXXXVII., containing a long and hitherto unknown medical treatise, and eight other Papyri, newly acquired, have been transcribed, and ninety provisionally described.

Papyrus CXXXV. (Ἡρώδου μιμίαμβοι) has been published in *facsimile*.

10. *Arrangement of Papers.*—Additional MSS. 34,110–34,112, 34,127–34,134, 34,147–34,178, 34,185–34,189, 34,195, 34,212–34,215, 34,225, 34,240–34,243, acquired during 1892, have been arranged.

11. *Catalogue of Sloane MSS.*—Four hundred and fifty-two MSS., Nos. 649–1,100, have been indexed from the MSS.

12. *Binding, etc.*—Eighty-one MSS. recently acquired, and two hundred and sixteen MSS. of the old collections, have been bound or repaired.

Two hundred and twenty-seven Stowe MSS. have been bound.

Fifty-two Papyri have been mounted and glazed, and fifty-nine have been bound.

Eighteen

Eighteen Charters and Rolls have been repaired, and three hundred and twenty-seven Charters have been mounted.

Twenty-three Catalogues and Registers, and forty-two printed Books of Reference, have been bound or repaired.

13. *Verification.*—The several collections have been verified by the shelf-lists. Seven new hand-lists and a list of Record Publications have been made.

14. *Miscellaneous.*—One hundred and thirteen MSS. have been placed and entered in the hand-lists and shelf-lists.

Eight hundred and twenty-six Charters and Rolls, and ninety-nine Seals, have been numbered and placed.

Three hundred and eighty-one MSS. and Printed Books have been stamped, with a total of 17,884 impressions.

Four hundred and fifty-eight MSS. have been folio'd, containing 82,114 folios.

The number of MSS. delivered in the Reading Room is 2,132; and of those consulted in the Department, 28,985.

The number of Charters, and Rolls delivered to readers is 613.

The number of Students working in the Department during the year is 8,197.

Acquisitions.—The numbers of Manuscripts and Documents acquired during the year are,—

General Collections of MSS. - - - -	157
Rolls and Charters - - - - -	808
Detached Seals and Casts - - - -	117
Papyri - - - - - - - - -	13

Among them are:—

A few small fragments belonging to the papyrus-roll of the first century, B.C. (now in the Museum), containing the orations of Hyperides against Demosthenes and for Lycophron, which was discovered in 1847. *Presented by Oscar C. Raphael, Esq.*

Thirteen documents in Greek, written on papyrus, consisting of leases, receipts, etc., two dated in A.D. 93 and A.D. 213 respectively, and the rest being of the second century; obtained, with one exception, from the cartonnages of a mummy-case in Egypt.

Wax-tablet, containing memoranda of expenses in Greek, inscribed with a stilus; first century.

Wax Diptycha, or writing tablets, forming a schoolboy's exercise-book; perhaps of the second century. On one leaf are inscribed with a stilus, in uncial characters, two iambic Greek lines, the first of which occurs elsewhere among the fragments of Menander. These lines were first

written by the master, and were twice copied below by the pupil. On the second leaf are two columns of the multiplication table.

Life of St. Bridget, Abbess of Kildare, in Latin, ascribed to St. Ultan Mag Concubar, Bishop of Ardbraccan; ninth century. Vellum.

"Aurelii Prudentii Carmina," with numerous marginal and interlinear glosses in Latin and German; 10th century. Vellum. In a German 15th century binding of stamped pigskin.

Antiphonal, with gradual combined, in Latin, of the rare Ambrosian use; written in Italy in the 11th–12th century. Vellum.

Portions of a Breviary, in Latin, of the use of York; early 15th century. Vellum.

Book of Hours of the Virgin, in Latin; written in Italy at the end of the 15th century. With finely illuminated figure-initials and borders, and with other borders in monochrome executed with extreme delicacy. Vellum.

"Epistolæ Mag. Petri Blesensis": a collection of sixty-six letters of Peter of Blois, archdeacon of London, *circ.* 1200, in Latin; 13th century. Vellum.

"Registrum Brevium," or precedents of writs, etc., in Latin, chiefly referring to co. Wilts, with a curious form of confession in French; early 14th century. Vellum.

Collection of religious and moral treatises, poems, etc., in Latin and English; including the "Pilgrimage of the Soul," from the French of Guillaume de Deguileville, William Stanton's Vision of St. Patrick's Purgatory in 1406, a vision of Edward Leversegge at Frome in 1465, the "Dictes of the Philosophers" and Cato's Distiches in English, and Latin hymns with English versions; 15th century. Vellum and paper.

A collection of Medical and other Recipes, in English; 15th century. Vellum.

Register of the Monastery of Groenendale near Brussels, in Latin; 15th century. With fragments of the Speculum Juris of Gulielmus Durandus, and other mediæval treatises on theology, canon-law, etc., of the 13th–15th centuries. Five volumes; vellum and paper. *Presented by Prof. George Stephens, of Copenhagen.*

"Brutus Abbreviatus": a chronicle of England, in Latin, from the mythical Brut to the battle of Evesham in 1265, attributed to a monk of Battle Abbey; 14th century. Vellum.

Original instructions to the Royal Commissioners for making an Ecclesiastical Survey in 1535, signed by Henry VIII.; with a Survey, in Latin, of the diocese of St. Asaph, accompanied by the Bishop's letter to the King, 30th October, 1536.

"Suma

"Suma de la coronica del Rey Anrriquo octavo de Ynglaterra": a chronicle of English affairs from 1530 to 1552, in Spanish, purporting to be written by a Spanish soldier resident in England and an eye-witness of many of the events described. A copy written at Madrid in 1577.

Letters of Francis Godolphin and others, with Privy Council warrants, etc., relating to preparations against the Spaniards and other military affairs in Cornwall; 1570–1601.

Exchequer Accompts and other official papers of Sir Walter Mildmay, Under-treasurer and Chancellor; 1572-1580.

Collection of letters, warrants and other papers relating to the Tower of London, etc.; 1576–1763.

Twelve letters from Robert Bowes, when ambassador in Scotland, to his brother Sir George Bowes, of Streatlam, co. Durham; 1578.

Original instructions, signed, from James I. to Francis Manners, Earl of Rutland, sent to Spain to bring home Charles, Prince of Wales, 1623; and from Charles I. to Henry de Vic, sent on a mission to La Rochelle, 1626.

Transcripts of state-papers, political and other letters, and miscellaneous matter in prose and verse. *tempp.* Elizabeth–Charles I.; made for Sir Francis Fane, cr. Earl of Westmoreland in 1624. Three volumes.

"A trewe storie of the Catholicke prisoners in Yorke Castle," etc., in 1600, apparently by William Richmont, with other controversial tracts; early 17th century

Diary of the Parliament of 1621, kept by John Smith, of Nibley, co. Gloucester, M.P. for Midhurst.

Correspondence and papers relating to the Civil War, consisting chiefly of letters addressed to Edward Montagu, second Earl of Manchester; 1640–1647.

Register of correspondence of Mildmay Fane, second Earl of Westmoreland, as Lord-Lieutenant of co. Northampton, 1660–1665; with autobiographical notes of the same (d. 1666), and of Thomas Fane, sixth Earl (d. 1736). Three volumes.

Correspondence of Thomas Osborne, Earl of Danby, with Sir Leoline Jenkins, ambassador at the Nimeguen Conference, with a letter from Danby to the Duke of Lauderdale, 1677–1678.

Reports of cases in the Courts of King's Bench and Common Pleas and at Assizes at Shrewsbury, Stafford, and elsewhere, 1692–1698; formerly owned by Chief Justices Sir Robert Eyre and Sir William Lee.

Case-book of Chief Justice Sir John Holt, containing his autograph notes and judgments in eleven cases, 1701–1703, including the famous one of Ashby *v.* White.

A volume of letters from James Ogilvy, Earl of Seafield, Chancellor of Scotland, to Sidney Godolphin, Earl of

 Godolphin,

Godolphin, Lord High Treasurer of England, on the negotiations for the union and other political affairs; 1703-1708.

Correspondence of George Jackson, Judge Advocate, relating to the American rebellion, and to suits arising from the capture, in 1781, of the island of St. Eustachia; 1776-1777, 1782-1786.

Papers relating to the passing of an Act in 1830 for affixing the royal sign manual to official documents by means of a stamp, owing to the illness of George IV., including letters of the Duke of Wellington, drafts by Lord Chancellor Lyndhurst, &c.

Correspondence and papers of the "General Convention of the Industrial Classes," established for the promotion of Chartism, with returns of the state of the labouring population in various towns, &c.; 1839. *Presented by Edw. Abbot Parry, Esq.*

"Historia politica y secreta del Rey Phelipe V.," etc.: a summary of Spanish history, 1701-1719, with critical reflections.

"Paradoxes of Defence," etc.: a treatise on the advantage of the short sword over the long rapier, "by George Silver, gentleman, 1599." Dedicated to Robert Devereux, Earl of Essex, and apparently the actual copy presented to him.

Two political tracts, on the advantages of an alliance with the Netherlands against Spain, and on the expediency of making peace or war with Spain, addressed, in the form of letters, to James I., by John Atkinson, *circ.* 1603.

"The art of well governing a people," translated, apparently by Mildmay Fane, second Earl of Westmoreland, *circ.* 1650, from an Italian treatise by Fulvio Paciano, printed at Siena in 1607.

"The one-and-twenty Battailes of Yorkes Plantagenet," etc.: a critical account of the War of the Roses by Thomas Gainsford, with dedication to Robert Rich, Earl of Warwick; *circ.* 1620.

"The Poor Man's Talent": a medical handbook by Thomas Lodge, M.D., the poet, composed about 1623, followed by similar tracts, possibly by the same author; 17th century.

"The Art of Limeinge": a treatise on limning or miniature-painting, by Daniel King, with recipes for making pigments, etc.; 17th century.

"Uranus and Psyche": an anonymous allegorical poem of the 17th century, with an interpretation of the names at the end.

A volume of Tales and Poems in Irish; 18th century. *Presented by Standish H. O'Grady, Esq.*

Autograph poems, prose pieces, letters, memoranda, etc., of Samuel Taylor Coleridge; with single letters of William Wordsworth, Hartley Coleridge, and John Sterling.

"The Spell, an extravaganza," with other tales, by Charlotte Brontë, in her own hand; written in 1834–5.

Preface

Preface by Cardinal John Henry Newman to "The Anglican Ministry," by A. W. Hutton, 1879; autograph and signed.

A Bohemian Grammar and Gypsy Vocabularies, by George Borrow, author of "The Bible in Spain"; in his own hand. Two volumes.

"Phisica generalis et particularis": lectures on physics, apparently by Gilles Basset des Rosiers, professor at the Collége d'Harcourt, Paris, 1749. *Presented by Samuel Butler, Esq.*.

"The Ten Canons of proportion and composition in Gothic Architecture, established and practically applied to the design of modern churches," in five books, by Henry Conybeare, C.E.; with illustrations. Eight volumes, folio. *Bequeathed by the author.*

Eighty-three letters of Henry St. John, first Viscount Bolingbroke, chiefly addressed to his sister Henrietta and her husband Robert Knight, and relating to private and family matters; 1716–1751.

Correspondence of William Nicolson, Bishop of Carlisle (1702) and Derry (1718), and Archbishop of Cashel (1727); 1683–1727.

Letter from Lord Nelson to Lady Hamilton, 1801; with an order signed by Napoleon Bonaparte, 1799. *Presented by Mrs. Phillis Harding.*

Correspondence of Stacey Grimaldi, Marquis Grimaldi of Genoa, on antiquarian and literary subjects; 1811–1860. Two volumes. *Presented by his son, Rev. Alexander B. Grimaldi.*

Household book of Anne, widow of Humphrey Stafford, first Duke of Buckingham, giving items of her daily expenses in London and at Writtle in Essex from 1st April, 1465, to 31st March, 1466.

Memorials of the family of Rodney, of Stoke Rodney, co. Somerset, written by Sir Edward Rodney, soon after 1651; the volume also containing political speeches, poems, religious tracts, etc., by Sir Edward Rodney and others down to 1680.

Note-book of James Torr, the Yorkshire antiquary, chiefly relating to estates in the Isle of Axholme and elsewhere, co. Lincoln, 1671–1690. *Presented by Edward Peacock, Esq.*

A collection of 105,000 writs of all kinds, addressed to sheriffs and others in various counties of England; *tempp.* Hen. IV.–Hen. VIII. *Presented by the Dean and Chapter of Westminster.*

Historical and topographical collections of the Rev. L. B. Larking and his brother, J. W. Larking; 16th–19th centuries. They relate to the county of Kent, and more particularly to the family of Twysden, of East Peckham, including several volumes in the hand of Sir Roger Twysden, the antiquary, and a diary of his wife, 1645–1651. Thirty-two volumes.

Survey of Lincoln Minster, by Bishop Robert Sanderson, with other collections relating to the county and city of Lincoln; 17th and 18th centuries. Two volumes.

Book of the Survey of Crown Forests, etc., in cos. Northampton and Rutland, taken in 1564.

History of Reigate, co. Surrey, written by an anonymous author, and dated 1816. *Presented by Lothian D. Nicholson, Esq.*

Return, made to the Court of First Fruits in 1541, of all curates and stipendiary priests in the diocese of Winchester, with the names of the rectors, vicars, and others by whom their stipends were paid.

Extent, in Latin, of the possessions of the Bishop of St. David's, as revised in 1516, after an extent taken in 1326, by order of Edward Vaughan, then Bishop. Vellum.

Collections relating to the island of Jersey, and more particularly to the families of Messervy, Poingdestre, and Carteret; 17th–19th centuries. Six volumes. Together with nearly 700 deeds, dating from the 15th to the 18th century.

Register of papers relating to the English and Dutch East Indies; 1632–1735.

Abstracts of wills proved in Jamaica; 1625–1792.

Deed of conveyance (executed in triplicate) of land at Port Philip, now the site of Melbourne, New South Wales, from the native chiefs to John Batman, founder of Victoria Colony, for 20 pair of blankets, 30 tomahawks, 100 knives, etc., with a yearly rent of 100 pair of blankets, 100 knives, 100 tomahawks, etc.; 6 June, 1835.

Journals of travels by Adolphe de Riquet, Comte de Caraman, in Turkey and Greece, North-Western Asia Minor, Egypt and Nubia, Syria and Palestine; 1828–1838.

A Dutch Portolano, containing forty-nine coloured maps of portions of Europe, Africa, and Asia, as far east as Formosa and Japan; 17th century (soon after 1654).

Maps of Majorca, 1740, and of Tuscany, 1761; with plan of Genoa, 1769.

A collection of fourteen maps and plans, chiefly of provinces and places in Mexico and Spanish South America, 1756–1817; with a map of Guiana dated 1608 (?).

Treatises, in Latin, on church music, on the art of composing, etc., with a few part-songs; in a German hand of the 15th–16th century.

Musical compositions and autograph letters of Meyerbeer, J. L. Krebs, J. G. Walther, Samuel Wesley, and others; 1745–1876.

Operas of Beethoven, Spohr, Verdi, and others, in full score; 19th century. Eleven volumes.

"Christus," an oratorio in full score, in the autograph of the composer, Franz Liszt; 1863–1866.

Edward Scott.

Department of Oriental Printed Books and Manuscripts.

Cataloguing and Arrangement.

Printing.—The following are the numbers of the sheets of the various Oriental Catalogues which have been sent for Press: Arabic Catalogue, 16 sheets; Hebrew Catalogue, 10 sheets, with 8 half-sheets of Index; Hindi Catalogue, 12 sheets, with 7 half-sheets of Index, completing the Catalogue; Japanese Catalogue, 7 sheets; Panjabi Catalogue 3 sheets, and 1 half-sheet of Index; Sanskrit Catalogue, 12 sheets; Sindhi Catalogue, 1 sheet and 1 half-sheet of index, completing the Catalogue; Catalogue of Arabic MSS., 33 sheets; Descriptive List of Hebrew MSS., 1 sheet.

Cataloguing.—The following Titles were written for the several Catalogues: Arabic, 1541; Persian, 74; Turkish, 20; Tamil, 25; Armenian, 12; Malay, 8; Maltese, 2; Georgian, 1; Ethiopic, 1; Hebrew, 324; Japanese, 270; Sanskrit, 450; Syriac, 136; Hindi, 75; Bengali, 226; Marathi, 195; Gujarati, 205; Hindustani, 287; Panjabi, 87; Sindhi, 317; and Pushtu, 224.

A classified Descriptive List of the Hebrew and Samaritan MSS., containing about 1,250 entries, was prepared and sent to the printer; 51 Hebrew MSS. were fully catalogued, and the descriptions of 42 others were revised.

The Descriptive List of the Oriental MSS. acquired in 1892 was transcribed for the use of readers. The same MSS. were entered into the Oriental Register and the Oriental Inventory.

Twenty one MSS. were folioed.

Binding.—The following are the numbers of Printed Books and MSS. sent to the Binders during the year: Arabic, 82; Chinese and Japanese, 256; Hebrew, 255; Sanskrit and other Indian works, 165; MSS., 158.

All Oriental MSS., with the exception of those in the Egerton and Grenville Collections, were removed from the MS. Department to the new Department of Oriental Printed Books and MSS.

Additions.—The number of works, both printed and in MS., added to the Department during the year was 1,214, of which 1,167 were Printed Books, and 47 MSS.

Of the Printed Books 425 were bought, 711 were received under the Indian Copyright Act, and 31 were presented.

Of the MSS., of which a classified list is appended, 27 were bought and 20 were presented.

Arabic	2
Armenian	15
Burmese	7
Chinese	2
Coptic	3
Hebrew	1
Hindi	1
Malay	1
Malayalam	1
Oriya	2
Panjabi	1
Persian	2
Sanskrit	1
Shan	2
Tamil and Telugu	2
Indian Drawings	4

The most important acquisitions for the year are as follows :—

1. A very handsomely illustrated Burmese MS. containing 39 Jatakas. This MS. contains 81 double-folio-sized coloured illustrations, which derive a special interest from the vivid manner in which they depict the dress and manners of the people. Taken from the Library of King Thebaw. 19th century (?).

II. A Burmese MS., being the collected writings of Kinwun Mingyi, who was Prime Minister to King Thebaw until the deposition of that sovereign in 1885. 1889 (?).

III. A Pali work in Burmese character. Commentaries on five of the seven books of the Abhidhammapitaka, the last of the three divisions of the Canonical Scriptures of Southern Buddhism. Of these commentaries one at least is by the great commentator Buddhaghosa. All are very scarce in Europe, several are probably not to be found in any public library either in Europe or the East. 1783.

IV. Two Taung Thu Shan MSS., one being a translation of the Nirvāna Sūtra. Only a few MSS. in this dialect have as yet reached this country. These are probably of the 18th century.

V. The Siva purāna. A Sanskrit MS. One of the 18 "great" purānas which form a later section of the Hindu Sacred Books. This work appears to be rare even in India. No complete edition has been published. 18th century (?).

VI. The Life of H.R.H. the Prince Consort, translated into Sanskrit from the work of Sir Theodore Martin. 1890 (?).

7. A letter

VII. A letter of Tipu Sahib, Sultan of Mysore, to Maréchal de Castries on the subject of the defence of Pondicherry against the English. Dated June 1887.

VIII. The Book of Joshua in Judeo-German Rhyme. This is one of the earliest Hebrew books printed in Poland, and is not mentioned in any bibliography. Additional interest attaches to it from the German dialect in which it is compiled. Cracow, 1594.

IX. An Arabic MS., containing the Life and Homilies of St. Ephrem. 15th century (?).

X. A very handsome Arabic MS., entitled Sharh Mishkāt al Masābīh, being a commentary upon a collection of traditions. Folio size. 17th century (?).

XI. An Armenian MS., containing a Life of Alexander the Great. The work, of which this is a 16th century copy, is attributed to Kachadur of the 13th century, and is very rare.

XII. A valuable collection of 42 Armenian works, presented by Sir Francis Norman, K.C.B., to whom they were given by an Armenian at Cabul. The majority of these works were printed at Amsterdam, Venice, Calcutta, and Madras. Those printed at the two last-named places are very rare, some of them being quite unknown to bibliographers.

Among the most valuable works may be mentioned parts of the first three editions—1643, 1660—of the very celebrated poem on the Life of Christ, by Nerses, who lived during the 12th century; an early edition of the History of Nādir Shah, by Abraham of Crete, dated Calcutta, 1796; the Refutation of the Heresies of Eznak of Julfa, printed in Smyrna in 1762; together with portions of several early editions of valuable patristic and liturgical works.

XIII. A manuscript Armenian Grammar by Simeon of Julfa. 1720.

XIV. An Armenian MS., containing a Treatise on Logic, by Simeon of Julfa. 18th century.

XV. "Schulderfüllung." An Armenian work by Simeon Katholikos. Printed in the peculiarly fine type used at Echmiadzin. 1779.

XVI. Hymns of the Armenian Church. A modern work, but of some interest and rarity from the fact that the hymns are set to music in the national and traditional method, Echmiadzin, 1875.

The number of Oriental Printed Books consulted by Readers from April 1 to the end of the year was 3,003, and the number of Oriental MSS. consulted during the same period was 1,001.

Robert K. Douglas.

Department of Prints and Drawings.

I.—Arrangement and Cataloguing.

About seventy of the drawings exhibited in the public gallery have been removed and replaced by new acquisitions, including examples by Lucas van Leyden, Hans Schäufelein, Antoine Watteau, Charles Keene, and Richard Redgrave, R.A.; and a second edition of the guide, to correspond with the aforesaid changes, has been issued

The collection of nielli (silver plates and sulphur casts) has been arranged in the standard exhibition case in the Students' Room.

A collection of duplicate portraits of naval commanders has been lent to the Committee of the Naval Exhibition at Liverpool.

The collection of Italian chiaroscuro prints has been re-arranged.

The collections of prints after Murillo, Velazquez, Van Dyck, N. Poussin, G. Morland, and T. Stothard, have been sorted and re-arranged.

The collection of the works of Sir Robert Strange has been re-arranged in chronological order, the progress proofs and states being formed into a distinct series.

The general collection of the works of English engravers has been re-arranged, the progress and trial proofs being placed in a separate series, and the sets of small book illustrations in another.

The general collection of prints after English Masters has been re-arranged in 23 portfolios.

The portraits of all members of the Royal Houses of England have been brought together and arranged as a separate class.

The collection of French portraits has been revised and re-arranged, the prints being placed in wrappers inscribed with the names.

The contents of four portfolios of miscellaneous unarranged prints have been distributed.

Two collections of engraved title-pages have been sorted, those with artists' names being removed and distributed among the general collection of artists' works, and the remainder arranged in one portfolio.

The prints withdrawn from the public exhibition in the Northern Gallery have been returned to their respective portfolios, after being carefully examined with a view to the separation of duplicates.

All the plates by George Cruikshank included in the collection of English satirical prints have been taken out and incorporated with the series of the master's works.

The

The large engravings belonging to the English school have been arranged in the new portfolios provided for the purpose.

A great portion of the etchings by Rembrandt (down to Middleton, No. 254) have been removed from the guard-books and placed on sunk mounts for their better preservation.

The preparation of a special catalogue of the collection of prints after Rubens has been commenced and nearly completed.

The expanded index of the artists of the German School has been completed and printed; and that of French artists has been commenced.

The index of Dutch and Flemish and German artists known only by their monograms, etc., has been completed and sent to press.

The preparation of a catalogue of the collection of English portraits has been commenced.

A catalogue of the collection of fans and fan-leaves presented by Lady Charlotte Schreiber has been prepared and transcribed for press.

The preparation of a catalogue of all the English mezzotints contained in the Department has been commenced.

Lists have been drawn up of the contents of all the portfolios used for engravings of large size.

The transcription for press of the detailed catalogue of the collection of early Italian prints has been commenced.

The prints after Gainsborough and Romney contained in the department have been marked off in a copy of Mr. Horne's recently published catalogue.

The prints by and after George Cruikshank have been marked off in a copy of Reid's catalogue.

The prints and drawings bequeathed by Mrs. Cruikshank have been impressed with a special stamp provided for the purpose, and a portion of the prints has been distributed.

The second copy of the index of English portraits has been corrected and completed.

All books of prints and books of reference recently acquired have been indexed and placed.

The correction of references in the second copy of the general indexes has been continued.

The transcription of entries in recent volumes of the register on separate slips for painter, engraver, and subject has been continued.

Two thousand nine hundred and forty-five prints recently acquired have been incorporated with the collections to which they severally belong.

Two thousand eight hundred and ninety-eight items have been entered in the Register of Acquisitions.

Eight thousand two hundred and twenty-one prints, drawings, etc., have been impressed with the departmental stamp and references to the Register.

Two hundred and three drawings and five hundred and thirty-five prints have been placed on sunk mounts, and seven hundred and forty-eight prints and photographs have been mounted in the ordinary manner.

The number of students and visitors admitted to the Print Room during the year ending 31st December 1892 was 5,474.

Leave to photograph 1,006 objects in the collection has been granted to 198 applicants.

II.—Additions.

The total number of prints, drawings, etc., acquired during the year was 3,996, of which the following are the most important :—

Italian School.

Drawings.

Campagnola, Domenico, Massacre of the Innocents; pen and ink, tinted. Four peasants in a landscape; pen and ink, tinted.

Carpaccio, Vittore. Head of a man, nearly in profile; black chalk and Indian ink, heightened with white, on grey paper. Sheet of twelve studies of male heads; black chalk and Indian ink, heightened with white, on grey paper.

Carracci, Agostino. Family tree of the Carracci family; pen and ink; engraved in Malvasia's "Felsina Pittrice," 1841.

Roberti, Ercole de'. The Virgin with the dead Christ on her knees; monochrome, heightened with white.

Lithographs.

Carnevali, Edvige. View of a cottage; early trial of lithography. *Presented by Professor Politzer.*

Engravings.

Bonifacio, Natale. Erection of the Egyptian obelisk in the Piazza of St. Peter at Rome, 1586; in three sheets.

Francia, Jacopo. Christian Charity (B. XV. 457. 3). Cleopatra (B. 5). Both from the Fisher collection.

Meloni, Francesco Antonio. St. Charles Borromeo offering himself as a sacrifice during the plague at Milan; after M. A. Franceschini.

Raimondi, Marc Antonio. The Three Graces (B. XIV., 255. 340.)

Prints arranged to illustrate the Works of Masters.

Allegri, Antonio (da Correggio). Christ on the Mount of Olives; by S. Cousins, mezzotint; proof before the title.

Buonarroti,

Buonarroti, Michelangelo. The ceiling of the Sistine Chapel; by D. Cunego.

Sanzio, Raffaello. Constantine addressing his soldiers; by V. Salandrini. The Last Supper; by G. Bernardoni, stipple; printed in colours. Heads of the Virgin and St. Joseph, from the Holy Family of Francis I.; by C. Forssell, stipple; coloured.

Sarto, Andrea del. Saint Sebastian; by P. Nocchi.

Vecellio, Tiziano. "La Mâitresse du Titien;" by F. Forster.

Vinci, Leonardo da. The Last Supper; by A. L. Dick.

German School.

Drawings.

Anonymous (Augsburg School). An allegory of the living and the dead; pen.

Schäufelein, Hans. Christ and the Three Maries; pen. The Last Supper; pen.

Etchings.

Keller, Georg. Execution of the Gunpowder Plot Conspirators in London.

Stauffer, Karl (of Bern). Twenty-one proofs of original plates, being the complete work of the master.

Lithographs.

Lancidelli, Joseph. "Er wiegt mehr als sie alle!"; satirical design. *Presented by Professor Politzer.*

Mossmer. Joseph. Two landscapes; early trials of lithography. *Presented by Professor Politzer.*

Schindler, Johann. View of a ruined castle; early trial of lithography. *Presented by Professor Politzer.*

Engravings.

Master A. G. (Albrecht Glockenton). Arms of the Prince Bishop Rodolph of Scherenberg and of the bishopric of Wurzburg (P. II. 128. 31).

Master W. H. (Wolf Hammer). Arms of the bishopric of Eichstadt and of Wilhelm Bishop of Reichenau.

Master W ♀. A ship sailing; undescribed.

Meckenen, Israhel van. Saint Christopher; Saint Sebastian; Presentation in the Temple; all copies from the Master E. S.; very rare undescribed pieces.

Schoen, Barthel. Panel of foliage, with fox seizing a hare; undescribed.

Schoen, Erhard. The Rosary (P. III. 243. 35); second state, with names of the heavenly hosts inserted and the German inscription altered.

Schongauer, Martin. Saint Anthony tormented by demons (B. 47); undescribed early state. From the Fisher collection.

Wenzel von Olmütz. The Annunciation (Lehrs, 3); the only impression known. From the Fisher collection.

Woodcut.

Schäufelein, Hans. The Last Supper; in eight sheets (B. 26.)

Prints arranged to illustrate the Works of Masters.

Christ, Joseph. Old Age warning Youth; by J. E. Haid, mezzotint.

Juncker, Justus. "The Sportsman taking Refreshment;" by C. Spooner, mezzotint.

Overbeck, Friedrich. Virgin and Child; by X. Steifensand.

Dutch and Flemish Schools.

Drawings.

Anonymous, 15th century. Figure of a bishop; pen and Chinese white, on dark prepared paper.

Anonymous, 15th century. The Annunciation; pen, tinted; marked "B. H. 1510."

Leyden, Lucas van. Head of an old man, turned to the right; silver point. Naked male figure seated on a globe, holding a vine branch; silver point. Head of a young man wearing a flat cap; black chalk. Head of a man with long hair, wearing large fur cap; black chalk. Half-length figure of a youth in profile; black chalk. Head of a man wearing jewelled turban and furred mantle; black chalk. Head of a woman, turned to the right; black chalk, the face worked over with Chinese white. Study for a Madonna and Child, black chalk. An old man seated writing; black chalk. A man holding a halberd, conversing with another who is on horseback; pen. David slaying Goliath; pen. A unique and very important series, all formerly in the collection of the Rev. W. H. Barnard.

Etchings.

Hooghe, Romeyn de. Emblematical composition commemorating the marriage of William III. and Mary, with almanac for 1678.

Engravings.

Bary, Hendrik. Portrait of Sigismund Schelhammer.

Mare, Johannes de. St. Nicholas Day; after Jan Steen; proof before letters.

Meunier,

Meunier, Jean Baptiste. The rat hunt; after J. B. Madou; proof before letters.

Prints arranged to illustrate the Works of Masters.

Brueghel, Jan. Adam and Eve in Paradise; by J. Heath and S. Middiman; proof with open letters.

Rubens, Petrus Paulus. Thomyris and Cyrus; by T. Dick. Four of a set of plates of the History of Marie de Medicis; by Duthé and Benoist, stipple; printed in colours.

Schalken, Gottfried. "Verecundia expulsa, ceu avis e cavea emissa, raro revertitur;" by J. E. Haid, mezzotint.

FRENCH SCHOOL.

Etching.

Wille, Pierre Alexandre. Le Petit Wauxhall; proof before letters.

Woodcuts.

Anonymous, 15th century. The taking of Jerusalem by Titus, and the triumphal departure of Titus from Jerusalem, as described by Josephus; two large coloured cuts, each with a French inscription of 36 lines.

Engravings.

Aliamet, Jacques. "2de Vue du Levan;" after J. Vernet.

Alix, Pierre Michel. Temple of Fortune; coloured aquatint.

Benoist, Antoine. Skirmish between Hungarian and French cavalry.

Boucher-Desnoyers, Auguste. Madonna of the Alba Family; after Raphael; proof with the artists' names only.

Caron, Adolphe. Faust seeing Margaret for the first time; after A. Scheffer; proof before the title.

Carrey, Charles. Le Retour du Bal; after A. Stevens; engraver's proof.

Chataigner, Alexis. "Ah! quelle antiquité!"—"Oh! quelle folie que la nouveauté."

Ingouf, François Robert, "Le Retour du Laboureur;" after C. Benazech; proof before letters.

St. Aubin, Augustin de. Portrait of Jacques Necker; after Duplessis.

Prints arranged to illustrate the Works of Masters.

Boucher, François. "Le Château de Cartes;" by J. M. Liotard. Nymph and Cupid; by P. Aveline.

Charlet, Nicolas Toussaint. "Après vous, Sire;" by G. Maile, aquatint.

Géricault, Jean Louis. The Wreck;" by J. Egn, mezzotint.

Moreau, Jean Michel. "Mirabeau arrive aux Champs Elysées;" by L. J. Masquelier. Set of seventeen proofs of vignettes, illustrating Desormeaux's "Histoire de la Maison de Bourbon."

Natoire, Charles Joseph. "La Tendre Eléonore;" by Mlle. Retord.

Peters, Jean Antoine de. "La Jeune Devideuse;" by Chevillet.

Poussin, Nicolas. "Testamento d'Eudamida;" by C. C. Bervic and P. Toschi.

Vernet, Horace. The Roman Girl; by H. Cousins, mezzotint.

Artists of Foreign Schools Working in England.

Etchings.

Gheeraedts, Marc. Procession of Knights of the Order of the Garter in 1576; etched on twelve plates under the direction of Thomas Daws, Rougecroix. In proof state, with dedication, names, etc., inserted with a pen; the only perfect copy known. Formerly in the collection of Sir John Fenn.

Herkomer, Hubert, R.A. Thirty-three original etchings, drypoints, and mezzotints; signed proofs. *Presented by the Artist.*

Engravings.

Bartolozzi, Francesco, R.A. Cupid in the character of Hercules; one of the Marlborough Gems. The young Virgil; after A. Kauffmann; unfinished proof.

Bartolozzi, Francesco, and William Byrne. The Snuff Box; after P. J. de Loutherbourg; proof before all letters.

Bartolozzi, Francesco, W. Byrne, and S. Middiman. Shepherdess of the Alps; after P. J. de Loutherbourg; proof before the title. Lauretta; after P. J. de Loutherbourg; proof before letters.

Hollar, Wenzel. Boscobel House (P. 567). The Village Ferry (P. 1219); with address of Meyssens. The Savoy (P. 1229); early undescribed state, without the boat. Title to the set of plates of animals after P. von Avont (P. 2041); with address of Gallays.

Ravenet, Simon François. The Prodigal Son; after Salvator Rosa; proof before letters.

Scotin, Gérard. Portrait of Mlle. Auretti; the etching.

Vendramini, Giovanni. Saint Sebastian; after Spagnoletto; proof before letters.

Vivares, François. A Land Storm; after G. Poussin; unfinished proof.

English School.

Drawings.

Aspland, Theophilus Lindsey. Fourteen views of English scenery; in water-colours, sepia and Indian ink. *Presented by Mrs. Aspland.*

De la Motte, Philip Henry. View at Selborne; water-colours. Fishing boat on the shore at Southwold; water-colours.

De Wint, Peter. View from a hill, with village near the foreground; water-colours.

Glover, John. Landscape, with man in a punt on a river in foreground; water-colours.

Lawson, Cecil. Three landscapes; water-colours.

Lear, Edward. Fifteen views of Italian scenery; black and white. *Presented by the late Alexander Malcolm, Esq.*

Stocker, Robert. Five landscapes; pen, pencil, and water-colours. *Presented by G. Wakeling, Esq.*

Stothard, Thomas, R.A. Scene from "Twelfth Night;" water-colours. Scene from "Taming of the Shrew;" water-colours.

Turner, Charles. Portrait of J. M. W. Turner, R.A.; profile; black and red chalks and Indian ink, heightened with white; the engraved portrait. Two other portraits of J. M. W. Turner; pencil sketches.

Etchings.

Keene, Charles. A collection of twenty-three rare and unpublished plates. *Presented by H. E. Keene, Esq.*

Stewart, J. M. Interior of an etcher's studio. *Presented by H. E. Keene, Esq.*

Engravings.

Cooke, George. The Harbour, Ostend; after A. W. Callcott. A Fresh Breeze off Dover; after A. W. Callcott; the etching.

Cousins, Samuel, R.A. Portrait of Mrs. Hannah Brown; after E. Long, R.A.; mezzotint; trial proof. *Presented by the Baroness Burdett-Coutts.*

Earlom, Richard. Portrait of G. B. Cipriani; after J. F. Rigaud; stipple; coloured.

Hancock, Robert. Portrait of Mr. Rauzzini; after J. Hutchison; stipple; printed in colours.

Hodgetts, Thomas. Portrait of John Gage, F.R.S., after M. Carpenter; mezzotint; proof before the title.

Lupton, Thomas Goff. Blanchard, Emery, Liston, and Mathews in "Love, Law and Physic"; after G. Clint; mezzotint; proof with scratched letters. Charles Kemble

 and

and Fawcett as the King and Captain Copp in "Charles II."; after G. Clint; mezzotint; proof before letters.

Porter, John. Portrait of Sir John Malcolm; after G. Hayter; mezzotint; proof before all letters.

Skelton, William. Portrait of Jean François Lamarche, Bishop of Leon; after H. P. Danloux; unfinished proof.

Stewart, James. "Pomona"; after M. Dubuison; stipple; printed in colours.

Stubbs, George Townley. "Savoir vivre sans six sous"; stipple.

Vertue, George. Portrait of Humphrey Gower, D.D.; after Fellowes; proof before letters. Portrait of Francis Godwin, Bishop of Hereford; proof before letters.

Walker, William. Lions at play; after Rubens; proof before the title.

Ward, James, R.A. Portrait of Edmund Burke; after J. Hickey; proof with open letters.

Woodman, Richard. Portrait of John Flaxman, R.A.; after J. Jackson; proof before letters.

Prints arranged to illustrate the Works of Masters.

Barker, Thomas. "The Young Gipsey;" by W. Bond, stipple.

Bonington, Richard Parkes. "Le Crotay; Vue de l'embouchure de la Somme;" by Newton Fielding; coloured aquatint.

Brangwyn, Frank. "Outward Bound;" autogravure. *Presented by the Autoytpe Company.*

Constable, John, R.A. "The Hay Wain;" autogravure from the picture in the National Gallery. *Presented by the Autotype Company.* "The Cornfield;" by D. Lucas, mezzotint.

Dodd, Daniel. "The Genius of Literature presenting her pupils to Minerva;" by J. Chapman, stipple; printed in colours.

Douglas, Edwin. "British Matrons;" autogravure. *Presented by the Autotype Company.*

Hoppner, John, R.A. Neæra; by J. Young, mezzotint.

Jones, Inigo. Two views of the projected Palace at Whitehall; by T. M. Muller, junr.

Landseer, Charles, R.A. "Pillage and Destruction of Basing House, Hants., October 14, 1645;" by J. G. Murray.

Martin, John. "The Last Day;" "The Last Judgment;" and "The Plains of Heaven;" all by J. Stephenson; artist's proofs.

Newton, Gilbert Stuart, R.A. Scene from the "Beggar's Opera;" by E. Finden.

Nicol, Erskine, A.R.A. "The Jig" and "The Melody;" by R. C. Bell.

Penny,

Penny, Edward, R.A. "The Benevolent Physician;" by J. Baldrey, stipple.

Reynolds, Sir Joshua, P.R.A. Portrait of Lavinia, Countess Spencer; by P. Bonato; printed in colours. Portrait of himself; by E. Picquenot, stipple.

Stothard, Thomas, R.A. "Danse Grecque," and "Jolie Fatime;" by P. Zancon.

Turner, Joseph Mallord William, R.A. View of Hastings from the sea; by R. Wallis.

Watson, George. "A Young Lady at her Toilette;" by J. Young, mezzotint.

Westall, Richard, R.A. "The Bower of Venus;" by G. Kellaway; printed in colours.

Wheatley, Francis, R.A. "Love" and "Interest," a pair; by V. M. Picot.

American School.

Etchings.

Smillie, James D. Eight selected proofs of dry-point, mezzotint, and aquatint plates. *Presented by the Artist.*

Modern Prints presented by Publishers.

The Trustees have received from Mr. L. H. Lefèvre, of King-street, St. James's-square, artist's proofs of the following prints published by his firm during the year:—

Bonheur, Rosa. "Scottish Chiefs"; by J. B. Pratt.

Colls, Harry. "The Great Frost of 1890–91"; etching by C. O. Murray.

Parton, Ernest. "Wargrave-on-Thames"; etching by C. O. Murray.

Sadler, Walter Dendy. "For he's a jolly good fellow!;" etching by W. H. Boucher.

Portraits.

Foreign.

Angoulême, Marie Therèse, Duchesse d', by C. van Mechel, 1795; on vellum, tinted.

Beverningk, Hieronymus van; by A. Blooteling, mezzotint; proof before letters.

Henri IV. of France; after F. Pourbus, by P. Audouin.

Kingo, Thomas, Bishop of Funen; by G. Valck.

Lavater, Johann Caspar; by C. van Mechel; coloured aquatint.

Le Kain, Henri Louis; after M. Castelli, by P. C. Levesque.

Louis XVI.; profile; stipple; printed in colours and tinted.

Ludwig I. of Bavaria; after J. Stieler, by A. Reindel.

Mahomet IV., Sultan of Turkey; by J. Gole.

Napoleon I.; the column in the Place Vendôme; by Houiste.

Oldenbarnvelt, Jan van; by C. van de Passe.

Pellegrini, Carlo; etching by J. A. M. Whistler; impression from the cancelled plate. *Presented by Louis Fagan, Esq.*

Quirino, Andrea; after A. Volo, by F. Bartolozzi.

Sopingius, Christian; by R. à Persyn.

Suavius, Andreas; by S. van Lamsweerde.

English.

Alexandra, Princess of Wales; after H. Obrik, by J. Ballin; signed artist's proof.

Charlotte, Princess; after J. M. Wright. by R. Cooper.

Compton, Henry, Bishop of London; anonymous.

Cosway, Richard, R.A.; after Rivers, by W. Ridley.

Crane, Sir Francis; after G. Jamesone; proof before letters.

Damer, Hon. Ann; after R. Cosway, by W. C. Edwards. Another; after Walker, by Mackenzie. Another; by J. Hopwood.

Davenant, John, Bishop of Salisbury; by T. Garner.

George IV. and Queen Caroline, when Prince and Princess of Wales; after H. de Janvry, by F. Bartolozzi.

Godwin, William; after J. Northcote, by G. Dawe; mezzotint.

Heton, Martin, Bishop of Ely; by Harding; stipple.

King, William, Archbishop of Dublin; after C. Jervas; stipple; proof before letters.

Mary, Princess, daughter of George III.; after J. Hoppner, by P. Bonato; printed in colours.

Montagu, Mary Churchill, Duchess of; after G. Kneller, by J. Faber, mezzotint.

Neile, Richard, Archbishop of York, by J. Stow; proof before letters.

Orford, Robert Walpole, Earl of, K.G.; after T. Gibson, by G. Bockman, mezzotint.

Porter, Sir Robert Ker; after G. H. Harlow, by W. O. Burgess, mezzotint.

Smith, Right Hon. William Henry, M.P.; after G. Richmond, by J. D. Miller, mezzotint. *Presented by Hon. W. F. D. Smith, M.P.*

Southampton, William Fitzwilliam, Earl of; after Holbein, by R. Dalton.

Stables, Mrs., and her daughter; after G. Romney, by J. R. Smith, mezzotint.

Tenison,

Tenison, Thomas, Archbishop of Canterbury; anonymous.
Watts, Isaac; by G. White, mezzotint.

History.

Storming of Buda by the Imperialists in 1686; by A. Van Westerhout.

"Precipitate Retreat of the French through Leipzig, 19 Oct. 1813"; coloured aquatint.

"Ceremony of Te Deum by the Allied Armies on the Square of Louis XV. at Paris, 10 April 1814;" after Moreau; coloured aquatint.

Sets and Collections.

Five hundred and six proofs of book illustrations, designed by Ludwig Richter, engraved on wood by Hugo Burkner and his pupils.

One hundred and ninety-three engravers' proofs of book illustrations by J. B. Allen, A. R. Freebairn, C. Heath, C. Mottram, J. Goodyear, E. J. Portbury, J. T. Willmore, etc., chiefly from designs by G. Cattermole and E. Lami.

One hundred and nineteen English and foreign engraved portraits. *Presented by A. W. Franks. Esq.*, C.B., F.R.S.

Thirty-eight engraved and coloured fans, three fan leaves, and three hand-screens. *Presented by Lady Charlotte Schreiber.*

"The Anniversary, or Poetry and Prose for 1829"; a set of unfinished proofs of the illustrations, engraved by J. H. Robinson, W. R. Smith, E. Finden, C. Rolls, W. Greatbach, E. Goodall, and others; in the original binding, with printed title and list. *Presented by J. Deffett Francis, Esq.*

Sidney Colvin.

Department of Egyptian and Assyrian Antiquities.

I.—*Arrangement, Cataloguing, etc.*

Egyptian Antiquities:—

The general re-arrangement of the Egyptian Collection has been proceeded with, and a number of objects acquired during this year have been incorporated.

The section of the General Guide referring to the collections in the Department has been revised.

The edition of the cuneiform texts of the collection of Tell el-Amarna tablets has been published, together with facsimiles, Introduction, etc.

The *Catalogue of the Cuneiform Tablets in the Kouyunjik Collection*, by Dr. C. Bezold, has been continued, and thirty-five sheets have passed the press.

The preparation of the plates for the second edition of the *Papyrus of Ani* has been continued, and a translation and a transcript of the text is in course of preparation for publication.

The large granite column from Heracleopolis has been set up upon a granite pedestal. Four hundred labels have been written and painted; twenty-four terra-cottas have been mounted; eighteen pedestals and six sliding boards for mummies and coffins have been made; fifty-four wooden labels have been prepared and painted; one hundred and ten small objects have been mounted; seven cases for casts, seven boxes for stelae and negatives, and two cases to hold photographs have been made. Eight moulds for plaster casts have been made; and one plaster cast of a sarcophagus and one cast of a cover have been repaired and painted.

An alphabetical list of names attached to papyri has been prepared; forty-three paper "squeezes" of inscriptions have been made; a list of inscribed objects has been written; three hundred and forty-three objects have been registered.

Assyrian Antiquities:

The re-arrangement of the Assyrian slabs in the basement has been begun, and a number of bas-reliefs have been fixed to the walls on the line of the gallery.

The general re-arrangement of the tablets has been continued; one thousand six hundred and seventy-nine tablets have been repaired, and ten thousand five hundred and seventeen tablets have been placed in numbered boxes; forty-five "joins" have been made; a case list for the Assyrian Room is being drawn up; twenty-eight thousand six hundred and sixty waste fragments from Abu Habbah have been stored in twenty-three numbered boxes; seven hundred and twelve tablets have been copied, and five thousand four hundred and seventy-nine tablets have been registered.

Phœnician Antiquities:—

The arrangement of the Semitic inscriptions in the Phœnician Room has been continued; eighty-four busts and small objects have been mounted on stone plinths.

Cyprian Antiquities:—

The Cyprian collections have been arranged chronologically in groups in cases built on the north-west staircase landing, and in the first room of the Second Northern Gallery.

One thousand nine hundred and eighty visits have been made

made to the Egyptian and Assyrian Department by students and others. They have been assisted in their researches; and six thousand eight hundred and fifty-eight objects have been issued to them for study. The students' room has been enlarged, and a new platform built for the assistant.

II.—*Acquisitions.—Purchases.*

i. Egyptian:

1. Blue glazed *faïence* fish; of the XXIInd dynasty.
2. A small gold lion, with inscription on the base of the pedestal. Very fine work.
3. Flat gold bracelet or armlet, with open-work figures of animals, etc., in silver and gold, arranged alternately; the principal amulets are the snake, the tortoise, the *crux ansata*, the *utchat*, the hare, the ape, the hawk, and the tet. This piece of jewellery is of great interest, and is the only example in the Museum of a rare class of Egyptian metal-work. After the XXVIth dynasty.
4. Fine limestone figure of a priestly official of high rank named Atha, who lived at Thebes during the reign of Shabaka, King of Egypt; about B.C. 700.
5. Limestone figure of a kneeling man, holding a stele, upon which is engraved a version of part of the XVth chapter of the Book of the Dead; perhaps of the XVIIIth dynasty.
6. Flat green glazed *faïence* bottle, with two handles. From Thebes.
7. Large diorite jug, with handle; of the XXth dynasty.
8. White fine alabaster jar, containing unguent; of the XIXth dynasty, or earlier.
9. Wooden cramp from a wall of the Temple of Seti I. (King of Egypt), about B.C. 1370 at Abydos.
10. A wooden draught box, with a drawer containing twelve draughts, six conical and six oval. From Thebes.
11. Two ivory crescent-shaped objects, carved with figures in outline of gods and animals and sacred insects. From Thebes.
12. *Ushabti* figure of Amāsis, the superintendent of the workmen in the Temple of Amen-Rā, at Thebes.

 13. The

13. One hundred and thirty-two mummy labels, from Akhmîm. The mummy-label is a flat, rectangular wooden ticket, pointed at one end, and pierced to receive a string, by which it was attached to the neck of the mummy. On it the name, age, etc., of the deceased were written in hieroglyphics, Demotic and Greek. The use of such labels seems to be confined to the Græco-Roman period.
14. Painted wooden harp, inlaid with ivory and plaques of red, green, and blue *faïence*. The strings were six in number, and were tightened by wooden pegs: a rare example; XVIIIth dynasty. From Thebes.
15. A papyrus, measuring 35ft. by 13½in., incribed in hieroglyphics with a series of chapters of the Book of the Dead; made for Amen-hetep, a a superintendent of builders; about B.C. 900.
16. A rare rock-crystal figure of the god Thoueris, in the form of a hippopotamus; about B.C. 1000. Found near Sakkârah.
17. Five blue glazed *faïence ushabti* figures; about B.C. 1040. From Dêr el-Bahari.
18. Blue glass vase for holding stibium; the vase and its cover have gold mounts; about B.C. 1200.
19. Lapis-lazuli pendant figure of the god Khnemu.
20. Pendant heart, made of mottled stone.
21. Amber scarab, inscribed "Beautiful Bast." Greek period.
22. Limestone *ushabti* figure of Aua, a priest of Amen with gilded face. Late period.
23. Fine limestone *ushabti* figure of Khātha, "the scribe of the soldiers," inscribed with part of the VIth chapter of the Book of the Dead; XXIInd dynasty.

ii. Babylonian:—

1. A large collection of contract and other tablets of the first Babylonian Empire.
2. An uninscribed bronze figure of an early Babylonian king; from Tell Lo; it is said to have been found standing upright in a stone laid in the foundation of the temple at that place; about B.C. 2500.
3. Bronze statue of Gamil-Sin, King of Babylonia about B.C. 3200, inscribed with a text similar to that

that published by Sir Henry Rawlinson in *Cuneiform Inscriptions of Western Asia*, IV. 35, No. 4.

4. Steatite tablet, inscribed with the name and titles of Amar-Sin, King of Babylonia; about B.C. 3500.

5. Lapis-lazuli tablet, bearing an inscription of a King of Babylonia, who styles himself "lord of sixty gods"; about B.C. 4000.

iii. Phœnician:—

1. Limestone altar, with bi-lingual inscription in Phœnician and Cypriote, dedicated to Resheph Elayith, by Menahem, in the 30th year of Malki-yathan, King of Citium and Idalium; about B.C. 345. From Cyprus.

2. Limestone altar with Phœnician inscription of the same period. From Cyprus.

iv. Cyprian:—

Limestone group of three figures.

Presents.

1. *Ushabti* figure of Nefer Renpit. XXVIth dynasty; about B.C. 550.

Presented by A. W. Franks, Esq., C.B., Litt.D., P.S.A., F.R.S.

2. A Greek ostrakon, and a Demotic ostrakon. Roman period.

Presented by R. Phené Spiers, Esq., F.R.I.B.A.

3. Papyrus, inscribed in Demotic, with list of accounts, etc. Late period.

Presented by Colonel John Evans.

4. A hæmatite Gnostic amulet, upon one side of which is a representation of St. George slaying the Dragon, and on the other, in Greek letters, the inscription, "Seal of God."

Presented by H. Wellings, Esq.

5. Green basalt weight, inscribed with the name of Nebuchadnezzar II., for one *mana*, according to the standard fixed by Dungi, King of Babylonia; about B.C. 2500.

Bequeathed by the Rev. Greville J. Chester, B.A.

 6. Fragment

6. Fragment of an Assyrian bas-relief mounted on slate.

Presented by Mrs. E. K. Holland Drake.

7. Bronze vase from a corner of the Great Hall of Xerxes at Persepolis.

Presented by H. Weld Blundell, Esq.

E. Maunde Thompson.

Department of Greek and Roman Antiquities.

I.—*Arrangement, Cataloguing, etc.*

Progress has been made in the arrangement of the Mausoleum Room; the statues of Mausolos and Artemisia, and the remains of the *quadriga* have been moved and re-erected on pedestals in the centre of the room; preparations have been made towards re-constructing two of the columns of the Mausoleum, and a section of the entablature and ceiling of the colonnade; progress has been made in repairing and mounting on slate a terra-cotta cornice from Civita Lavinia; four other sculptures, a series of fragments of sculpture, and part of a column have been mounted on plinths, and two marble corbels have been made for busts; a torso has been fitted to the figure of a boy beside the Leucothea (?) in the west pediment of the Parthenon; eighteen inscriptions have been mounted on stone plinths, and a series of inscriptions from Knidos re-arranged in the Inscription Room; the Carthaginian mosaics have been transferred from a Store Room to the Sepulchral Basement; four screens have been prepared for sculptures in the Elgin Room; two new pedestals and one glass shade prepared for vases; six glass shades fastened down with screws; fifty-nine vases and a series of fragments of pottery from Naucratis have been cleaned and repaired; thirty-eight vases (bronze and fictile) have been mounted on stands, and twenty-seven gems on velvet-covered blocks; two cases for bronzes, two for vases, two for terra-cottas, and two for gold ornaments have been fitted and arranged; new blinds have been put up in the Bronze Room and Vase Rooms, and the fittings altered; eight sets of casts of select gems for presentation have been verified; thirty-four new moulds have been made from sculpture and architecture; ninety objects have been photographed; three hundred and seventeen vases have been catalogued; two hundred and thirty-eight objects registered; three hundred and sixty-three descriptive titles written and attached to objects; thirty-one drawings of vases and thirteen reproductions have been made, and twenty shapes of vases drawn for the Catalogue; Volume I. of

I. of the Catalogue of Sculpture has been completed, and Part IV., Section I. of the "Ancient Greek Inscriptions" nearly completed; Vol. II. of the Catalogue of Vases has been set up in type, and progress has been made with Vol. II. of the Catalogue of Sculpture, Vols. III. and IV. of the Catalogue of Vases, and a Handbook to the Vases.

II.—*Acquisitions.*

By Donation.

I.—Terra-cotta figure of actor in pænula, surrounded by five children. *Benghazi, Cyrenaica.*

Presented by D. A. Cameron, Esq.

II.—Archaic Corinthian skyphos, representing Heracles attacking Centaurs. *Corinth.*

Presented by Mrs. Leycester and Miss Macdonald.

III.—Roman silver dish. *Egypt.*

Presented by G. Willoughby Fraser, Esq.

IV.—Archaic female head in marble, probably brought from Greece in 1818 by Mr. P. Barker Webb (compare Musées d'Athènes, pls. 4 and 6).

Presented by R. W. Webb, Esq.

V.—Talc fragment of imprecation. *From near Limassol, Cyprus.*

Presented by A. W. Franks, Esq., C.B.

VI.—1. Corinthian aryballos, with two pairs of bulls in combat.

2. Corinthian alabastron, with four dogs running.

3. Athenian black-figured lekythos, with palmettes.

4. Terra-cotta Roman lamp, with representations of armour.

1–4. *From Gela, Sicily. Presented by Signor Virzi.*

VII.—Silver vase with chased patterns. *Sardis.*

Presented by G. Dennis, Esq., C.M.G., D.C.L.

 VIII.—1. A marble

VIII.—1. A marble tablet inscribed in the form of a tabula lusoria, CIRCVS PLENVS CLAMOR INGENS IANVAE TE[CTAE]. Compare Bull. Com. Arch. 1887, p. 190, and Bonner Studien, p. 237. *Found in a tomb at Porta Portese.*

2. Base of marble statuette, inscribed SI DEO SI DEAI FLORIANVS R[estituit] EX S[enatus] C[onsulto].

3. Marble head of the Emperor Titus.

4. Marble portrait—head of a Roman.

2—4. *From Excavations at Porta Portese.*

5. Marble torso of Roman Warrior.

6. Marble torso of a female figure.

7. Fragment of a slab of green marble with floral pattern.

8. Two fragments of a terra-cotta Corinthian capital.

9–10. Two archaic terra-cotta antefixæ.

11–19. Fragments of archaic terra-cotta cornices, with patterns of lotus and honeysuckle and other designs, painted or in relief.

20–23. Four fragments of terra-cotta antefixæ.

24. Terra-cotta panel with relief of Victory sacrificing a bull.

25. Terra-cotta fragment with relief of male figure.

26. Archaic terra-cotta stand, with relief of two figures seated back to back.

27. Similar stand, with relief of Satyr.

28. Fragment of opus doliare, stamped EX PRED.

29. Terra-cotta impression from a stamp with caduceus in centre, and inscribed ΛΕΥΚΙΟC. This name appears to have been repeated as a part of the stamp now broken.

30. Terra-cotta mould in the shape of a shoe.

31–33. Terra-cotta fragments of relief.

34–35. Fragments of two bowls of glazed ware.

36–39. Four Roman lamps with reliefs representing (1) a hare, (2) combat of warriors, (3) Minerva, (4) an archer.

40–43. Fragments of painted stucco, two of them representing female figures.

44. Bronze fibula.

45–46. Two bone instruments.

5—46. *From Excavations at Civita Lavinia.*

Presented by Lord Savile, G.C.B.

By

By Purchase.

I.—*Gold ornaments and jewellery.*

1. Cup, with embossed patterns of Mycenean type.

2. Bracelet, plain.

3–6. Four rings with patterns in blue enamel inlaid.

7. Pendant of a necklace, with two archaic heads and a row of small gold discs.

8. Pendant, representing a figure of Egyptian type holding out a swan by the neck in either hand.

9. Pendant in the form of a lion's head, from which hang five birds and two gold drops.

10–13. Four pendants, each formed by two serpents with heads joined; within the circle are two dogs confronted, and below, two cynocephalous apes back to back; outside are pendants in the form of owls, gold discs, and carnelian drops.

14. Necklace of gold and carnelian beads, with pendants of gold, jasper, and blue enamel.

15. Necklace of gold beads, carnelian beads and drops, and amethyst drops.

16. Necklace of gold crescents and carnelian beads.

17. Necklace of gold crescents and ribbed beads, ending in carnelian drops.

18–71. Fifty-four embossed rosettes surrounded by spiral patterns.

72. Chain of five plain rings.

73–76. Parts of four bands for the hair, with spiral patterns of Mycenean type.

77–78. Two bands for the hair, of elongated oval shape.

79–99. Twenty-one fragments of plain straight bands.

100. Two fragments of a ring with lozenge-pattern incised on the bezel.

101. Pendant of a necklace with two small birds attached by chains.

102–105. Four gold drops, forming pendants of a necklace.

106. Blue enamel bead, representing a hand clasped round a breast.

107–108. Two jasper drops of a necklace in gold setting.

109. Chalcedony pendant in the shape of a spindle whorl.

110. Carnelian bead from a necklace.

1—110. *From a Tomb in one of the Greek Islands.*
0.108.

111. Necklace

111. Necklace with three bullæ and two pendants, the central bulla representing the birth of Dionysos from the thigh of Zeus, the two others, Heracles and an armed figure. *Italy.*

112. A pair of bracelets, each with embossed design of a Cupid surmounting two female heads. *Italy.*

113. Fragment of bracteate gold with lion's head. *Limassol, Cyprus.*

II.—*Silver.*

Necklace of small rings, two crescents, and a pendant. *Crete.*

III.—*Bronze.*

1. Capsa, fitted with tubes for liquid perfumes, on a stand. *Civita Castellana.*

2. Figure of Mercury, probably attached to the cover of the preceding object. *Civita Castellana.*

3–4. Parts of two Roman pumps worked on the double-action principle invented by Ctesibius (compare Notizie dei Lincei, 1891, p. 121, and Vitruvius X. 12; also Smith's "Dictionary of Antiquities, 3rd ed. I., p. 570). *Bolsena.*

5. Patera, with incised Phœnician designs (Cesnola, Salaminia, p. 53). *Cyprus.*

6. Mirror-case with relief of Heracles clasping the hand of a Nymph. *Corinth.*

7. Handle of vase of archaic style, ending in a crouching lion and a Satyr.

8. Minute figure of Victory holding a wreath; Roman period.

IV.—*Terra-cottas.*

1. Figure of comic actor, with traces of colouring.

2. Female head of fine style. *Found in the Tiber.*

3. Group representing Eros conducting a female figure upwards through the air (compare Museo Borbonico, V. pl. 18). *Eretria.*

V.—*Pottery.*

1. Archaic Corinthian pyxis, from the Piot collection, with Artemis between lions, Sphinxes and other animals, in black on drab ground.

2. Oinochoë of Etruscan bucchero ware, covered with brown glaze.

3. Amphora of black bucchero ware.

4. Amphora

4. Amphora of bucchero ware, covered with brown glaze.

5. Amphora of plain black unglazed ware.

6–7. Two kanthari of plain black glazed ware.

8–9. Two cups of plain black glazed ware.

10–11. Two kyathi with black glaze.

12–14. Three kylikes of black glazed ware, one with four handles in the shape of dogs.

15. Kylix of shape peculiar to the geometric period, with two serpents on the handle.

16–19. Amphora, oinochoè, and two pinakes, of plain red ware.

20–21. Lebes of plain red ware, and stand of similar ware, with triangular perforations.

22–23. Two lids of lebetes, of plain red ware.

24. Lebes with cover, on a stand of red polished ware, with projecting Gryphons' heads from which hang chains; round the body, rude figures of birds painted in white; the stand resembles No. 21.

25. Red-figured kylix by the painter Duris: youth on couch, inscribed Ἱπ(π)οδάμας καλός.

2—25. *From Civita Castellana.*

26. Red-figured kylix, representing the Three Graces, the work of an Etruscan artist under the influence of Greek training.

27. Red-figured hydria, in the style of Hieron or Phintias: two draped youths.

28. Red-figured hydria, probably by an Etruscan artist: Perseus with the head of Medusa pursued by one of the Graiæ.

29. Fragment of rim of red-figured vase, with female head, in the style of Brygos. *From the Acropolis of Athens.*

30. Kylix with design outlined in brown on white ground: a scene in the garden of the Hesperides (?); signed by Sotades (Froehner, van Branteghem Sale Cat., No. 164). *Athens.*

31. Kylix with design outlined in brown and painted in purple on white ground: Polyeidos immured in the tomb of Glaukos; signed by Sotades (*ibid.*, No. 166).

32. Phialè with design outlined in brown on white ground: the death of Archemoros (*ibid.*, No. 165; compare a bronze scabbard in Hoffmann Sale Cat., Paris, 20–21 May 1892).

33. Red-figured stamnos signed by Smikros: (1) Athene intervening between Ajax and Hector, (2) Combat of Achilles and Memnon over the body of Antilochos (*ibid.*, No. 47; and Klein, Lieblingsinschr., p. 67). *Todi.*

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34. Red-figured kylix signed by Hermaios: a woman lifting a basin (*ibid.*, 29; and Klein, Meistersig., 2nd ed., p. 221). *Marion, Cyprus.*

35. Red-figured kylix: combat of two warriors, inscribed Ἐπίδρομος καλός (*ibid.*, 31; and Klein, Lieblingsinschr, p. 46).

36. Red-figured kylix in the style of Euphronios: in the interior, a youth pursuing a hare, inscribed Λέαγ[ρο]ς καλὸς, ὁ παῖς καλός, and on the exterior two groups of revellers (*ibid.*, 53, and Klein, *ibid*, p. 40).

VI.—*Engraved Gems, &c.*

1. Amethyst of the Mycenean period, in the form of a crouching lion. *Mycenae.*

2–7. Six agate scarabs with Phœnician designs. *Cyprus.*

8. Chalcedony scaraboid intaglio, with figure of dromedary.

9. Agate chalcedony lentoid gem of Mycenean period: a man leading a bull. From the Spratt Collection. *Crete.*

10. Banded agate intaglio: athlete binding a cæstus round his wrist; of the best Greek period. *Epirus.*

11. Plasma scaraboid of pale green colour, with intaglio of excellent Greek workmanship: an archer drawing his bow; at his feet a dog. *Limassol, Cyprus.*

12. Garnet intaglio set in ancient gold finger-ring: a horse preparing to lie down; fourth century, B.C. *Heraclea in Pontus.*

13. Rock-crystal scaraboid of the archaic period: a Fury running. *Corinth.*

14. Rock-crystal lentoid gem: a Cretan goat. *Sparta.*

15. Carnelian glandular gem: a lion with a horse's skin over his head, between two human figures (compare Milchhoefer, Anfänge der Kunst, pp. 44, 46). *From the Island of Hydra.*

16. Amber scarab: Sisyphos rolling up the stone. *Chiusi.*

17. Sardonyx cameo: a bust of Hygieia in profile.

18. Chalcedony in the form of a female head.

VII.—*Bone.*

1. Six fragments of a lyre. *Cyprus.*

A. S. Murray.

Department of British and Mediæval Antiquities and Ethnography.

I.—*Arrangement.*

Glass and Ceramic Gallery.—Two new table-cases have been received, lined to match the others, and the necessary re-arrangement and extension of the collection have been completed, while recent additions have been incorporated.

Asiatic Saloon.—Considerable alterations have been made in this room. The whole of the religious figures and other objects connected with religions have been removed into the Second Northern Gallery. The Japanese and Corean pottery has been considerably extended and now occupies some of the space thus obtained, while other portions have been devoted to Indian, Persian, and Chinese objects. The arrangement of the rest of the room is still in progress.

Ethnographical Gallery.—In this gallery the following sections have been examined and cleaned, and, where necessary, re-arranged, viz. :—Assam, Central Asia, Ainos, Oriental arms, Esquimaux, West Africa, Torres Straits, Fiji Islands, New Caledonia, New Hebrides, New Ireland, New Britain, New Guinea, Admiralty Islands, Australia, East Africa, Hervey group, and Austral group.

The specimens on the tops of the wall-cases have been twice cleaned.

Five hundred and sixty-three labels, with duplicates, have been printed with the hand-press in the Department, nearly the whole of which have been for this gallery.

Second Northern Gallery.—The arrangements of the three rooms in this gallery assigned to the department are at last approaching completion; they contain collections to illustrate various religions, chiefly Oriental. The varied character of the objects comprised in the several series, and the necessity of adapting them to the limited dimensions of the cases in the gallery, has rendered the task of arrangement a long and tedious one. The largest of the three rooms, that devoted to Buddhism in ancient and mediæval India, Ceylon, Burmah, China and Japan, is practically completed, and there now remains only the incorporation of a number of objects recently acquired. The other two rooms, containing Brahmanism and other Eastern religions, and the small series of Early Christian objects, are in an advanced state, and it is hoped that they may be shortly completed.

The registration has been continued, and 1,970 objects have been registered.

Four hundred and seventy-eight headings to catalogue slips have been printed with the hand-press in the Department; 116 objects have been mounted on tablets; five boards have been covered with paper; and a number of urns have been repaired.

The collection of matrices of seals has been examined and classified, the Slip Catalogue being at the same time compared and corrected.

The Peccadeau de l'isle collection from Bruniquel has been examined, and duplicate specimens eliminated.

A catalogue on slips of the Glass collection has been begun.

The framed casts of Egyptian types of races have been hung upon the walls of the north-eastern staircase, and general labels have been affixed to them.

II.—*Acquisitions.*

Royal Gold Cup.

The most important acquisition of the year, and indeed the most important single object acquired by the department since it was established, is the Royal Gold Cup, which is of the highest interest, not only as a work of art, but for its singular history.

It is a covered cup, or hanap, of gold, with ten subjects from the life of St. Agnes, vividly portrayed in translucent enamel round the outside of the bowl and cover; within are two medallions, also enamelled, the one with another subject of St. Agnes, the other with a half length of the Saviour. On the lower part of the foot are the four Evangelistic symbols in enamel, and the base is formed of a coronet of leaves and pearls; a similar decoration once surrounded the cover, but like the finial of the cover, it is now lost. The stem has at some time been elongated and ornamented with Tudor roses, and a band has been added in Spain with an enamelled inscription which furnished the clue to the history of the cup.

The history is as follows :—

It appears first in an inventory of Charles VI., King of France, so minutely described as to leave no doubt of its identity, with the cup given to that King by his uncle Jean, Duc de Berry, in 1391. The Duke had probably had it made with the intention of giving it to his brother, Charles V., who had a special devotion for St. Agnes, his birthday being on her day; but the death of Charles V. in 1380 may have prevented the gift from being offered. From the inventory it appears to have had a detached stand with an enamelled medallion of the Virgin, and dragon feet. We next find it, but without the stand, in documents of Henry VI. of England, grandson of Charles VI. How it came to England has not

not yet been discovered, but it probably was through John, Duke of Bedford, Regent of France, who frequently supplied the necessities of Charles VI., and received from him plate in return. At that time it had an ornamental knot, or "fruitelet," of precious stones and pearls, which seems to have been lost or removed by Henry VIII., and replaced by a "crown imperial," the newly-invented arched crown of the Kings of England, and it is so described in the Inventories of Henry VIII. and Queen Elizabeth. In 1610 the Constable of Castile, Don Juan de Velasco, came to England to conclude the peace between the two countries, and James I. was very lavish in his gifts to the envoy, his presents including no less than three gold cups, of which this was one.

On his return to Spain, the Constable, who seems to have had a mistaken notion that the cup was a religious vessel, gave it to a convent, and to record his gift, placed a gold band round the stem, enamelled with the following inscription:—*Gazæ Sacræ ex Anglia reliquias, pacis inter reges factæ monumentum, cratera auro solidum, Joan Velasq. Comestab. inde r*[*egis*] *b*[*ritannici*] *g*[*ratia*] *rediens, Christo pacificatori dd.*

An agent of the Abbess of the Convent sold it in 1883 to Baron Pichon of Paris, and from him it was purchased by Messrs. Wertheimer of London.

The history of the cup can therefore be traced for 500 years, and it is, as far as is known, the only relic of the domestic plate of the earlier English, or even French, Kings.

As a specimen of enamelling it is very remarkable, both from the beauty of the design and the extraordinary accuracy of the execution. It is enamelled by the process known as "translucent on relief," consisting of variously coloured enamels floated over a very shallow sunk relief, of which the sinkings form the main lines.

Messrs. Wertheimer, wishing the cup to remain in this country and to become national property, generously agreed to cede it at cost price, viz., 8,000*l*., and the late Mr. S. Wertheimer, in addition, offered to become one of the subscribers.

A subscription was therefore started, and the cup secured for the nation, the following being a list of the subscribers:—

PRINCIPAL SUBSCRIBERS OF £500.

The Goldsmiths' Company.
The Duke of Northumberland, K.G.
The Earl of Crawford, K.T.
The Rt. Hon. Lord Savile, G.C.B.
The Lord Iveagh.
C. Drury Fortnum D.C.L.
A. W. Franks, C.B.
The late S. Wertheimer.

LESSER SUBSCRIBERS.

	£		£.
John Edward Taylor	250	Charles E. Keyser, F.S.A.	105
The Drapers' Company	200	The Earl of Derby, K.G.	100
The Clothworkers' Company	105	William Minet, F.S.A.	100
The Mercers' Company	105	Sir Henry Peek, Bart.	50
The Merchant Taylors' Company	105	Captain John Peel	50

Grant from Treasury £. 2,000.

Supplemental Grant £. 830.

DURDEN COLLECTION.

The acquisition next in importance is the collection of antiquities of various periods, but mostly English, formed by the late Mr. Henry Durden, of Blandford, and of which a catalogue has been printed. This has been obtained by purchase, but for financial reasons the purchase has been spread over two years. In 1892 about two-thirds of the collection have been acquired, including the Dorsetshire antiquities from barrows, stone and bone implements, a very extensive collection from the British and Roman camp at Hod Hill, some of these being purely British and some Roman in character. This portion numbers in all about 1,800 specimens. The acquisition supplies several wants in the Museum series, such as the West Country urns, which were needed to balance the series from the North of England presented by Canon Greenwell.

Among the other acquisitions the following may be noticed :—

(1.) *Early British and Prehistoric Antiquities* :—

Three flint scrapers of the rare hollow type, from St. Leonard's Forest, near Horsham, Sussex; presented by B. C. Boyd, Esq.

A bronze spear-head and knife, a stone bracer, and a bone object, found in a grave at Sittingbourne, Kent; presented by George Payne, Esq., F.S.A.

Two "founder's hoards" of bronze, one from Oxfordshire, the other from Shoebury, Essex (*see* Proc. Soc. Ant. xiv., 174) and a bronze palstave from Lincoln; presented by A. W. Franks, Esq.

Fragment of a large cake of opaque red glass found in Ireland, and probably employed for enamelling; presented by Dr. Valentine Ball, C.B.

The foreign illustrations include :—

A bronze celt and pin from Kosam, India; presented by Major-General Sir Alexander Cunningham, K.C.I.E.

(2.) *Anglo-*

(2.) *Anglo-Roman:—*

Seven vessels of pottery from Faversham, a bronze votive tablet, dedicated to Mars Medocius, god of the Campenses, by Lossio Veda, a Caledonian, found at Colchester, and an oculist's stamp of L. Ulpius Deciminus, probably also from Colchester; presented by A. W. Franks, Esq.

Iron bolts from a wooden platform believed to be Roman, discovered below the Roundway, Southwark, in 1868; presented by H. Syer Cuming, Esq.

(3.) *Anglo-Saxon, Foreign Teutonic, etc.:—*

Bone combs found at Great Wakering, Essex; presented by A. W. Franks, Esq.

Eight bronze brooches from the Island of Gotland; presented by James Curle, Esq., F.S.A. Scot.

(4.) *Mediæval and Later:—*

(a.) *English.*—An early Norman carving in ivory from Old Sarum, and an oval watch of the time of James I., by Nicolas Walter; presented at the desire of the late J. E. Nightingale, Esq., F.S.A.

Seal of Coggeshall Priory, Essex; presented by A. W. Franks, Esq. Steel seal of Thomas Pelham, Duke of Newcastle; presented by the Earl of Chichester.

Iron horseshoe of great size, made on the visit of Richard Cumberland, Bishop of Peterborough, to Oakham; presented by Sir John Evans, K.C.B.

A gold watch, enamelled, made by Dobson, and medallion portraits in metal of George III. and his Queen; presented by A. W. Franks, Esq.

Circular slide rule of brass for calculating the capacity of vessels of malt; presented by R. Barnes, Esq.

(b.) *Foreign.*—A silver shrine of the 15th century, from the Magniac Collection.

Twenty-nine early draughtsmen of ivory, carved with various monsters and figures, from the Strawberry Hill and Magniac Collections. An ivory casket of early 14th century work, with Romance subjects, probably the story of Giron le Courtois. An Italian painted enamel of the Crucifixion, with the name of Joane Ambrosio de Landriano, the largest Italian painting on enamel known, from the Magniac Collection. A gold watch, with richly enamelled case, by Vautyer of Blois, and 42 matrices of seals. All presented by A. W. Franks, Esq.

A Byzantine ivory plaque, and two Limoges champlevé enamels; presented at the desire of the late J. E. Nightingale, Esq., F.S.A.

A wooden statuette of St. Sebastian, a tripod carved in wood representing the Three Ages of Man, a bronze medallion attributed to Donatello, and a carved ivory tankard; presented by Henry J. Pfungst, Esq., F.S.A.

A carved stone slab representing the Tiburtine Sybil appearing to Augustus, probably Flemish; presented by E. M. Hodgkins, Esq.

A carved wooden pipe case dated 1626; presented by Miss Alice de Rothschild.

A jet figure of St. James, probably made at Santiago de Compostella, two tablets of impressed horn with subjects in relief, and various keys, locks, etc.; presented by the Rev. James Beck.

The crest of the Augsburg family of Imhof, in silver, a seal, and a singular padlock; presented by Max Rosenheim, Esq.

Ivory box with medallion of Charles IV. of Spain and his Queen; presented by the Earl of Chichester; and nine seals of various kinds, chiefly Italian.

(5.) *Ceramic and Glass Collections*:—

(a.) *Chinese and Japanese Porcelain.*—A few additions have been made to the Franks Collection.

A plate of a service made in China, between 1743 and 1747, for George, Lord Anson; presented by the Earl of Lichfield.

Two very curious enamelled tiles from Pegu; presented by Major R. C. Temple.

(b.) *Continental Pottery.*—An early Persian bowl, with decorations in white enamel and gold, found on the site of the ancient city of Rhages, in Persia, and a Spanish dish, with the arms and device of Giuliano de Medici, who died in 1517; presented by F. Ducane Godman, Esq., F.R.S.

An Italian figure of lustred green pottery, from the Fountaine Collection, and a canette of Siegburg stoneware; presented by Henry J. Pfungst, Esq., F.S.A.

A small plate of German enamelled ware, an object of great rarity; in the centre is the Massacre of the Innocents, in relief, enamelled in various colours, date, late 15th century; presented by C. Drury Fortnum, Esq., D.C.L. Two German stove-tiles, one of them enamelled with a coat of arms, and the date 1549; presented by A. W. Franks, Esq.

Two stove-tiles of Winterthur majolica, with painted designs, one by Ludwig Pfan, 1610, and the other by Heinrich Pfan the younger, 1690; presented by Henry Angst, Esq., H.B.M. Consul at Zurich. A dish of Winterthur ware, with coat of arms, dated 1681; presented by A. W. Franks, Esq.

(c.) *English Pottery.*—The only addition to the Franks Collection of any consequence are, a tankard of Lambeth delft, with the name of Edward Birchet, 1645, from the Magniac collection, and a mug of Bristol delft, with the Carpenters' arms and the name of Thomas Billinge, 1724.

A stoneware jug, inscribed D. Thomas, found in London; presented by G. M. Atkinson, Esq.

(d.) *Glass.*—

(d.) *Glass.*—A considerable collection of glass vessels of the Græco Roman period, found in tombs near Nazareth.

A cup of amber glass, from Cyprus, presented by the Cyprus Exploration Fund. Two vessels, one of them of unusual character, and two glass finger rings, also found in Cyprus, from the Lawrence-Cesnola Collection.

Two moulded cups, glass pendants, and weights with Byzantine monograms, from the East; presented by A. W. Franks, Esq.

An engraved Arab bottle, of blue glass, from Illahun, Egypt; presented by Professor Flinders Petrie, D.C.L.

A round plaque of glass of the 16th century, with an enamelled design, probably Venetian, from the Magniac Collection.

A collection of Irish and other beads, a Venetian bottle, and a German goblet, painted in sepia; presented by A. W. Franks, Esq.

Two saltcellars with fancy heads painted beneath; presented by Lady Charlotte Schreiber.

A painting on the back of glass, representing allegorically the "Triumph" of the Dutch after the battle of the Doggerbank, on August 5, 1781, with portraits of the Dutch admirals; presented by Sir H. Evelyn Wood, G.C.B.

(6.) *Collection illustrating various Religions :—*

A collection of early Indian Buddhist sculptures, collected in Yusufzai, by the late Sir E. Clive Bayley, and a bronze figure of Hercules, in classical style, from Nigrai, in Yusufzai, 1860; presented by A. W. Franks, Esq.

A collection of antiquities, chiefly from the Mahabodhi Temple at Buddha Gaya, including an ancient model of the temple, inscriptions on copper, clay seals, gold ornaments, precious stones of various kinds, many of them mixed with the mortar of the throne. Most of these are described in the donor's recent work "Mahabodhi, or the Great Buddhist Temple at Buddha Gaya," London, 1892; also a carved stone bracket and other smaller sculptures, from Shah-Dheri (Taxila). All presented by Major General Sir Alexander Cunningham, K.C.I.E.

Four Buddhist clay tablets, from caves at Moulmein, Burmah; presented by Major R. C. Temple.

A Chinese bronze figure of Buddha, all the appliances for the ceremony of "Gomadan," used by the Shingon sect of Japanese Buddhists, as well as a set of the altar ornaments of the same sect, wooden figures of Daikoku and Ebisu, and two wooden masks connected with the worship of Inari; presented by A. W. Franks, Esq.

A Buddhist begging-bowl from Japan, and "goheis" used in the Shinto worship of that country; presented by Basil H. Chamberlain, Esq.

(6.) *Oriental and Ethnographical:—*

A stone seal with figure of a bull and supposed Indian hieroglyphs, from the ruins of Harapâ, Panjab (Corp. Inscr. Ind., I. pl. xxviii.). Presented by Major General M. G. Clerk.

A collection of terra-cotta seals, with Gupta characters, from Sunet, Panjab; presented by James Burgess, Esq., LL.D.

A Saracenic helmet, found at Van, in Armenia, bronze spoon, with Cufic inscription, two Turkish writing-cases, a large ancient casket, covered with pierced ivory panels, probably from Ceylon or Burmah, and two Japanese bronze vases on stands; presented by A. W. Franks, Esq.

A Chinese compass; presented by Lord Grantley.

Among the ethnographical objects may be mentioned:—

Asia.—A collection of Burmese weights of various ages; presented by Major R. C. Temple.

Africa.—A large and very important collection of objects obtained during his expedition to Mashonaland, by the donor, J. Theodore Bent, Esq., F.S.A. A head-dress and band from the Masai; presented by Mrs. C. E. Foot. A wooden drum and grass cloth from West Africa; presented by Walter Price Williams, Esq.

Oceania.—Five carved wooden panels from an ancient Maori house at Rotorua, New Zealand; presented by Alfred Fowler, Esq. A large New Zealand figure. Two stone adze blades, from Kohala, Hawaii; presented by E. A. Burchardt, Esq.

America.—Five small jade pendants, found at Sacrificios, Mexico, by Admiral Nepean; presented by Lady Fyers. Twelve ancient Mexican vases and a rattle and whistle obtined at Puebla, and two terra-cottas from San Salvador; presented by Ducane Godman, Esq., F.R.S. A quartz knife, from Cartier, Ontario; presented by John Wilkins, Esq. Clothing, etc., from Bogotà, Republic of Colombia; presented by Mrs. M. C. de Koppel.

III.—Christy Collection.

Four hundred and seventy-eight additional slips have been prepared for the Registration Catalogue, with careful sketches of the objects.

The following donations have been received by the Christy Trustees, and by them transferred to the Trustees of the British Museum:—

1. *Prehistoric*

1. *Prehistoric Antiquities of Europe, Asia, and Africa :—*

Four implements from the Drift at Caversham ; presented by Dr. Stevens.

A polished stone celt from the Thames and a stone hammer from Stone, Staffordshire ; presented by A. W. Franks, Esq.

Scrapers of chert, struck from the same block, found in a tomb of the 4th Dynasty near the pyramid of Medûm, Egypt; presented by H. Martyn Kennard, Esq.

2. *Ethnography of Africa :—*

A series of objects from Morocco ; others from the Congo, pottery from the Niger, and specimens from Eastern Africa ; presented by A. W. Franks, Esq.

A woman's veil from Cairo ; presented by J. Edge Partington, Esq., F.R.G.S.

A Bechuana necklace of discs of ostrich egg shell ; presented by H. Syer Cuming, Esq.

3. *Ethnography of Asia :—*

A tobacco pipe made from a leaf from Mirzapur; presented by Henry Balfour, Esq.

A Tatar bow and a Chinese pipe; presented by A. W. Franks, Esq.

A spinning-top made from a cone shell, from the Persian Gulf; presented by J. Theodore Bent, Esq.

A Siamese silver neck-ring, a pair of Chinese spectacles, a mud figure from Tientsin, pair of towing sandals, and an adze and plane from Japan, and a pellet bow ; presented by J. Edge Partington, Esq.

Two armlets and a comb from Java, presented by H. O. Forbes, Esq. F.Z.S.

4. *Ethnography of Oceania and Australasia :—*

Fishhook from Danger Island; presented by the Rev. W. Wyatt Gill, LL.D.

A considerable series of objects from various islands, including a large number of stone implements from the Chatham Islands, and two feather capes from the Hawaiian Islands ; presented by A. W. Franks, Esq.

Two musical instruments from Guadalcanar, Solomon Group, and hooks and lines from Nukufetau, Ellice Group ; presented by C. Morris Woodford, Esq.

A series of objects from German New Guinea, obtained by exchange with the Munich Museum ; and a belt from Humboldt Bay, obtained by exchange with the Zoological Society of Amsterdam.

A paddle from Humboldt Bay, specimens from the Loyalty

Islands, and Fiji spears; presented by J. Edge Partington, Esq.

A charm in its bag from S.E. New Guinea, and a lime spatula; presented by H. O. Forbes, Esq., F.Z.S.

5. *Antiquities and Ethnography of America*:—

Gold ornaments and mask from the Republic of Columbia; an ancient Mexican stone mask from Santa Fè, Chiapas; a collection of ancient Peruvian textiles from graves at Ciclayo, Arica, and Ancon; stone implements from Central America and the West Indies; presented by A. W. Franks, Esq.

Bow and Arrows from Guatemala and the Rio Doce, Brazil; presented by Cuthbert E. Peek, Esq., F.S.A.

The Trustees of the Christy Collection have purchased, from funds at their disposal, a collection from the Torbryan Caves, Devonshire, collections from the Congo, Madagascar, the Maldive Islands, and a series of musical instruments from Queen Charlotte's Islands.

Augustus W. Franks.

Department of Coins and Medals.

I.—*Registration and Arrangement.*

1. *Greek Series*:—

313 coins, recently acquired, of various parts of the Greek world, have been registered and incorporated.

194 Parthian coins have been registered.

The work of writing and placing beneath the coins tickets giving references to the published Catalogues of Greek Coins in the Museum has been continued, as follows:—"Crete and Ægean Islands," 235 tickets; "Peloponnesus," 231 tickets; "Corinth," 1,073 tickets; "Alexandria," 404 tickets.

7 coins, hitherto classed as "Uncertain," have been identified.

Electrotype copies of 114 rare coins not in the British Museum collection have been made.

Rectifications have been made in the series of the coins of Nysa in Lydia, Ariassus in Pisidia, and Antioch in Syria.

In preparation for the Catalogue of Troas, &c., the coins of the following towns have been re-arranged in chronological order, and the specimens in silver have been weighed:—Alexandria Troas, Antandrus, Assus, Birytis, Cebrene, Colone, Gargara, Gentinus, Gergis, Hamaxitus, Lamponia, Neandria, Ophrynium, Pionia, Scamandria, Scepsis, Sigeium, Thymbra.

In preparation for the Catalogue of Caria, the coins of the following towns have been re-arranged in chronological order, and the specimens in silver have been weighed:—Alabanda, Alinda,

Alinda, Amyzon, Antioch, Aphrodisias, Apollonia Salbace, Cidramus, Euippe, Gordiu-teichos, Harpasa, Heraclea Salbace, Hyllarima, Mylasa, Neapolis, Orthosia, Sebastopolis, Stratoniceia, Tabae.

The following series and collections have been examined, and in most cases coins desirable for purchase by the Museum have been selected:—A series of coins of Calchedon and Methymna; a small collection formed in Cappadocia; two series of Lycian and Cilician coins; a series of the coins of Asia and Syria; several series of miscellaneous Greek coins.

A collection of coins of Southern and South-Eastern Asia Minor, brought home by Professor W. M. Ramsay and Mr. Hogarth in 1891, has been examined. The most important specimens have been identified and a selection has been made for purchase by the Museum.

2. *Roman Series:*

5 gold and 4 bronze coins and 1 bronze medallion of the Imperial series have been registered and incorporated.

A selection of Republican denarii has been made for exhibition in electrotype.

3. *English Series:*—

76 Anglo-Saxon and English coins have been registered and 95 have been incorporated; 15 seventeenth century copper tokens and 16 medals have been registered and incorporated, and 8 copper tickets from the Freudenthal collection have been incorporated.

In preparation for the *Catalogue of English Coins*, Vol. II., 126 coins of Harold II. have been weighed and re-arranged, and 20 plates of casts for the illustrations have been prepared.

The series of metallic tickets, tokens, &c. in the Freudenthal collection has been transferred to more suitable cabinets.

The Treasure Trove from Springwood, South Crossland, Huddersfield, consisting of 83 silver coins of Mary, Philip and Mary, Elizabeth, James I., and Charles I., has been examined, and a small selection from it has been made.

A descriptive list has been made of the English naval medals in the British Museum issued after the year 1760.

4. *Mediæval and Modern Series:*—

1 gold, 51 silver, and 3 copper coins of Europe and America; and 1 silver and 1 copper medal have been registered and incorporated.

The collections of money-changers' weights have been transferred to a new cabinet.

An important collection of Merovingian and other gold coins has been examined, with a view to its acquisition for the British Museum.

5. *Oriental Series* :—

219 coins of various Arab dynasties of Europe and Asia, of Persia and of the Muhammadan States of India have been registered, and 298 coins of the same classes have been incorporated.

14 Arab glass weights have been registered and incorporated.

175 coins of the Bactrian, Indo-Scythic and Indo-Sassanian series, and of Nepal, Vijayanagar, Kacch, Kashmir and other Hindu States have been registered, and 179 coins have been incorporated.

97 silver coins of the Western Kshatrapas and the Guptas, from the Bhagvānlāl collection have been registered and incorporated.

The coins of Sháh Alem and those struck by the East India Company have been re-arranged.

The series of ancient coins of Nepal and Assam have been re-arranged and expanded.

The coins of Vijayanagar have been re-arranged according to the most recent work on the subject.

The following classes of coins in the Bhagvānlāl collection have been arranged, the Sunga Dynasty, the Andhas, Taxila, Mathura, Ayodhya, and other smaller Hindu states.

Rectifications have been made in the series of the Huna Kings of Northern India and in the Indo-Sassanian series in accordance with the views of Sir Alexander Cunningham and M. Drouin.

5834 tickets giving references to the *Catalogue of Oriental Coins*, Vols. I–VIII. and Vol. IX. "Additions" have been written and placed in the trays beneath the specimens, and 100 similar tickets have been written for the coins described in the *Catalogue of the Coins of the Moghul Emperors of Hindustan*.

A large collection of Indian coins and another consisting of coins of the Gupta dynasty have been examined and selections made.

A large series of ancient Indian coins, of modern coins of the Panjab, and also of the Far East, chiefly of Burma, offered for presentation by Major R. C. Temple, has been examined, and specimens desirable for the British Museum have been selected.

Removal of Collection :—

In preparation for the removal of the collection to the new Medal Room, an inventory has been made of all the coin-cabinets in the Department of Coins and Medals, with indications of their contents, and reference numbers have been placed upon the outside of each cabinet. Corresponding numbers have also been inserted on the plans of the Wall and Floor Cases of the new Medal Room.

II.—*Acquisitions*, 1892.

CLASS.	Gold.	Silver.	Bronze.	Billon.	Lead.	Iron.	Glass.	TOTAL.
Greek - - - - -	10	99	343	–	–	–	–	457
Roman - - - - -	2	–	1	–	–	–	–	3
Mediæval and Modern -	1	40	3	-	–	–	–	44
English - - - - -	2	30	17	5	2	–	–	56
Oriental - - - - -	65	158	206	–	17	1	1	448
TOTAL - - - -	80	327	575	5	19	1	1	1,008

REMARKABLE COINS AND MEDALS.

1. *Greek Series :—*

Dicæa in Macedonia.—A very remarkable archaic hemidrachm of the Phœnician Standard ; *obverse*, A cock, behind which, a disk containing a star, and in front a volute; *reverse*, Cuttle-fish in a shallow incuse square. The types of this coin are those of Carystus and Eretria in Eubœa, but the weight and fabric point to Thrace or Macedon, as the region to which the coin must be assigned.

Mende in Macedonia.—An interesting archaic drachm, and a set of sub-divisions of the drachm, the smallest being a quarter obol, weighing less than two grains, all bearing Dionysiac types.

Demetrius Poliorcetes.—B.C. 306–283. A gold stater, bearing on the *obverse* a splendid portrait of the king, and on the *reverse* a Macedonian horseman.

Nymphæum in the Tauric Chersonese.—A very small silver coin, circ. B.C. 400; *obverse*, Head of a nymph, of fine style ; *reverse*, NYM, a vine-branch (cf. *Hist. Num.*, p. 238). Of this little known Milesian colony there were previously no coins in the British Museum.

Thrace.—A rare drachm of King Sparadocus, circ. B.C. 430 (*Bull. de Corr. hell.*, III., p. 409). The reverse type, a flying eagle, is proper to the town of Olynthus, where the coin may have been struck.

Abdera in Thrace.—A rare silver stater, B.C. 430–408, of the Aeginetic Standard; *reverse,* Head of Hermes, and magistrate's name, ΗΡΑΓΟΡΗΣ.

Thasos.—A drachm of the period after B.C. 146, when Thasos began again to issue silver money after an interval of more than a century (*Hist. Num.*, p. 229).

Pherœ in Thessaly.—An archaic obol; *obverse,* Bull's head and dolphin, emblems of the worship of Poseidon Ταύρεος (*Hist. Num.*, p. 246); *reverse,* ΦΕΡΑ, Head and neck of bridled horse.

Alexander, Tyrant of Pherœ, B.C. 369–357.—An obol; *obverse,* A wheel; *reverse,* ΑΛΕ, Double-axe (πέλεκυς); (cf. *Schol. in Hom.*, Il. xxiv., 428. Θεόπομπός φησιν Ἀλέξανδρον Φεραῖον Διόννυσον τὸν ἐν Παγασαῖς, ὃς ἐκαλεῖτο Πέλεκυς εὐσεβεῖν διαφόρως.)

Athens.—A gold quarter-stater, B.C. 407–393 (see *B. M. Cat. Attica, Introd.*, p. xxvi.). This is the first sub-division of the Athenian gold stater acquired by the British Museum.

Aegina.—A diobol of a new type, two dolphins in opposite directions. This coin is probably anterior to B.C. 431.

Patræ in Achaia.—A bronze coin of Domitian, bearing a copy of the cultus-statue of Artemis Laphria, the work of Menæchmus and Soidas of Naupactus, mentioned by Pausanias (vii. 18, 6).

Amisus in Pontus.—A bronze coin of Caracalla of a very unusual type, Tyche veiled, seated on a throne, holding a rudder placed upon a bearded human head, which is, perhaps, intended for the River god Lycastus, though it has been described by Imhoof (*Mon. gr.*, p. 226), as Zeus or Sarapis. This coin is dated CMH = 248 of the era of Amisus = A.D. 217.

Sinope in Paphlagonia.—Two rare silver drachms of the 4th century, B.C., bearing the name of a Satrap in Aramaic characters, a name which on other specimens, all more or less imperfect, has been variously read as Abd Sinob, Abdemon, Abdammon, and Abrocomas, but which the newly acquired coins prove beyond all doubt to be in reality Abdsasan. (See *Num. Chron.* 1892, p. 253.)

Heraclea in Bithynia.—Gallienus; *reverse,* ΗΡΑΚΛΗΑC ΝΕΩΚΟ. . . Herakles subduing one of the Mares of Diomedes, a labour very rarely represented on coins. It was doubted by Eckhel, whether the title Νεωκόρος was ever conferred upon the Bithynian Heraclea, but, as a coin bearing that title has been found on the site of Heraclea, there can be no longer any doubt that the attribution is correct.

Cyzicus

Cyzicus in Mysia.—Three electrum staters dating from the earlier part of the fifth century, B.C., from a small hoard lately discovered in the island of Scio; of the following types:—(i.) Bearded Satyr kneeling and holding in one hand a tunny, the emblem of Cyzicus; (ii.) Gorgon-head facing; one of three specimens known; (iii.) The heads of a Lion and of a Ram conjoined, a type recalling that of a Lydian stater of much earlier date with the representation (probably of solar signification) of the foreparts of a Lion and of a Bull conjoined. Only two other examples of this coin are known. Also a unique Cyzicene hecte, having on the *obverse*, an owl between two stars, and standing on a tunny; a type clearly suggested by that of the contemporary coins of Athens of the fourth century, B.C.

Pharnabazus, Persian Satrap.—A tetradrachm of great rarity, only two others being known, one of which, from a different die, is in the French collection. On the *obverse* is a characteristic portrait of Pharnabazus wearing the satrapal tiara, of which the loose ends are twisted across the beard; around the head is the inscription ΦAP[N]ABA, and on the *reverse* is a galley over a tunny, the mint-mark of Cyzicus.

Lampsacus in Mysia.—A gold stater of the first half of the fifth century, B.C., in very fine condition; *obverse*, head of Aktaeon with stag's horn, a subject treated with great distinction of style. This coin is one of the most interesting of the series of the Lampsacene gold staters, of which as many as 31 different types are now known, though the British Museum possesses at present only 9.

Pergamum in Mysia.—A rare Cistophorus struck probably in B.C. 50–49, when L. Antonius was Quæstor in the Province of Asia, which during that year was left without a Proconsul.

Alexandria Troas.—A well-preserved specimen of the earliest bronze coinage of this city; *reverse*, Cultus-statue of Apollo Smintheus with a mouse at his feet as described by Strabo (604). The statue was the work of Scopas.

Methymna in Lesbos.—An archaic diobol; *obverse*, Gorgon-head; *reverse*, Head of Athena. *Presented by H. Montagu, Esq.*, F.S.A.

Also a tetrobol and a diobol of the archaic period. These coins hitherto unclassed have been recently attributed to Methymna, several specimens having been found in the island of Lesbos. (*Num. Chron.* 1892, p. 33.)

The Museum has also acquired two silver staters of Methymna in good preservation; *obverse*, Wild Boar; *reverse*, a finely executed head of Athena of the purest archaic style, wearing a helmet adorned in front with a curious rectangular projection, an ornament for helmets which seems

to be peculiar to the west coast of Asia Minor, as it is met with only on these coins of Methymna, on some sarcophagi from Clazomenæ (*Antike Denkmäler*, 1890, Bd. I., Taf. 46), and on Daphnæ vases of Ionian origin. On other staters of Methymna, presumably rather later in date, this curious projection is artistically developed into the form of a Pegasus.

Ephesus in Ionia.—Two well preserved tetradrachms of the fourth century, B.C., with the names of the eponymous Prytaneis ΕΠΙΝΙΚΟΣ and ΣΚΥΘΗΣ.

Also a bronze coin of Philip senior; *reverse*, ΕΦΕCΙΩΝ ΚΑΤΑΠΛΟΥC Α., Type, a galley. The rare and interesting legend on this coin records the privilege enjoyed by Ephesus of being the first port at which the Proconsuls of Asia were bound to disembark on their entry into the Province.

Cos.—A didrachm of the middle of the fourth century; *obverse*, Head of Herakles; *reverse*, a female Head, possibly meant for Omphale, wearing a veil.

Also a bronze coin of the Imperial period; *obverse*, Α ΒΟΥΛΑ, Bust of the Boule (or local Senate) veiled; *reverse*, Bearded Herakles (?); seated on a rock and holding on his knee the infant Telephus (?); above whom is a star. A very interesting mythological type; but whether it really represents Herakles and Telephus is a doubtful point.

Lydia.—An interesting series of autonomous and Imperial bronze coins of Lydian cities collected by Mr. A. J. Lawson of Smyrna.

Attuda in Phrygia.—A fine bronze medallion, unpublished; *obverse*, Busts of Severus, Caracalla, and Geta; *reverse*, Temple of Kybele. *Presented by H. Montagu, Esq.*, F.S.A.

Blaundus in Phrygia.—Six Imperial coins, of which the most interesting is one representing Herakles slaying the three-headed Geryon, who holds up a wheel in one hand. Behind the contending figures lie the oxen.

Laodicea in Phrygia.—A rare cistophorus struck before B.C. 58, bearing as mint-mark a winged caduceus and the letters ΛΑΟ, together with the name of a local magistrate ΙΠΠΟΧΑΙΤΗΣ ΔΕΙΝΟΜΑΧΟΥ.

Lycia.—A series of Lycian coins of considerable rarity and importance as contributions towards the elucidation of the enigmatic inscriptions which characterise the ancient Lycian currency, inscriptions which Sir Charles Fellows (*Coins of Lycia*, 1855) endeavoured to identify as the names of Lycian towns, but which Schmidt, Savelsberg, and more recently, Six, are inclined to regard as the names of Dynasts. Among the rarest of these is a fine silver stater, bearing on the *obverse*,

obverse, a female head of archaic style, and on the *reverse*, the Lycian tetraskelis, and an inscription in Lycian characters, ΣΠΠΞΤΑΞΑ, which M. Six reads Spintaza, the name of a Dynast of Telmissus, B.C. 410—405. The style of the coin seems, however, to be earlier than this date. Also a stater of the fifth century B.C.; *obverse*, Female head; *reverse*, Lycian inscription read as Teththefebe or Teththiveibis. *Presented by H. Weber, Esq.*, M.D.

Of somewhat later date, is a stater bearing a Lycian inscription, which has been read Trebbonimis, and assigned to a dynast, who may have reigned early in the fourth century B.C.

Lystra in Lycaonia.—A bronze colonial coin of extreme rarity; *obverse*, IMPE AVGVSTI, Head of Emperor; *reverse*, COL. IVL. FEL. GEM. LVSTRA, Priest conducting yoke of oxen. Also a coin of Faustina Junior, reading COL. IVL. LVSTRA, The Tyche of the city seated on a rock. There were previously no coins of this colony in the Museum.

Aegae in Cilicia.—An extremely interesting coin of the Imperial age; *obverse*, Bust of Asklepios; *reverse*, a beautiful figure of Hygieia feeding a serpent. In front of the figure are the date ΣΙΒ (=212=A.D. 165), and the names of two local magistrates.

Anazarbus in Cilicia. — Severus Alexander; *reverse, inscr.* ANAZAPBOY MH[τροπόλεως] Γ.Β (=γράμματι Βουλῆς), and in the exergue, ETO. MC (=year 240=A.D. 229). The era of Anazarbus dates from B.C. 19.

Claudiopolis (*Ninica*) *in Cilicia.*—Three unique coins: one of Hadrian reading, ΚΛΑΥΔΙΟΠΟΛΙ . . . and two of Maximinus reading apparently COL. [NI] NIC. CLAVΔ. No coins have been previously attributed to this city.

Corycus in Cilicia.—Valerian; *reverse*, a female figure (Thalassa?) holding a rudder and an aplustre, and standing beside a prow in allusion to the fact that the title Ναυαρχίς had been conferred upon the city on account of its importance as a naval station. The inscription ΚΩΡΥΚΙΩΤΩΝ ΑΥΤΟΝΟΜΟΥ also shows that the town possessed the rare privilege of "autonomy."

Olba in Cilicia.—Two bronze coins of the time of Augustus struck by Ajax, High Priest and Toparch of Cennatis and Lalassis. Also a later Imperial coin reading ΟΛΒΕΩΝ[ΚΑΙ] ΚΕΝΝ.

Syedra in Cilicia.—Salonina; *reverse inscr.* CEMNHC ENΔOΞOTEPAC CYEΔPEΩN. There were only three other cities which enjoyed the title ἔνδοξος, viz., Side, Anazarbus, and Damascus; but Syedra alone boasts on her coins of surpassing her rivals.

0.108. *Tarsus*

Tarsus in Cilicia.—Five coins (two autonomous and three Imperial); (i.) A rare silver stater of the fifth century, B.C.; *obverse,* Persian Satrap on horseback; *reverse,* תרז in Aramaic characters, kneeling Hoplite armed with sword, spear, and shield, on which is a Gorgon's head. (ii.) An autonomous bronze coin of the second or first century, B.C., *type,* the god Sandan, the Asiatic Herakles, standing on the back of a horned lion. (iii.) Antinous; *obverse,* ΑΝΤΙΝΟΟϹ ΗΡΩϹ, his bust; *reverse,* a tetrastyle temple containing an amphora; in the *exergue,* ΝΕΩ ΙΑΚΧΩ an inscription as applied to Antinous, which may be compared with that on another very rare coin of Tarsus reading ΝΕΩ ΠΥΘΙΩ. (iv.) Caracalla; *type,* Galley in full sail, accompanied by the legend CEITOC, recording a present of corn from the Emperor. (v.) Macrinus; *reverse,* Herakles standing, and the inscription ΤΑΡΣΟΥ ΜΗΤΡΟΠΟΛΕΩ[Σ], Α.Μ.Κ.Γ.Β. (=*πρώτη μεγίστη καλλίστη γράμματι* Βουλῆς.)

Phœnicia.—An extremely curious archaic drachm having on the *obverse* two divinities above the turreted walls of a city, and on the *reverse,* another divinity on horseback in front of a vine.

Parthia.—Vologeses III. Two very important tetradrachms, bearing the dates 457 and 458 (=A.D. 145—146.) As the portrait is unmistakeably that of Vologeses III., and as no coins are known of this king after A.D. 138, the historical value of these two specimens is considerable, and they are at present the only testimony for the extension of the reign of Vologeses III. for eight years beyond the date usually assigned to his death or deposition. Also a tetradrachm of Phraates IV or Tiridates II. or of an unknown usurper reigning at the same time. On the *obverse* is a very striking portrait of a king, accompanied by the inscription ΒΑΣΙΛΕΩΣ ΒΑΣΙΛΕΩΝ ΑΡΣΑΚΟΥ ΕΥΕΡΓΕΤΟΥ ΔΙΚΑΙΟΥ ΕΠΙΦΑΝΟΥΣ ΦΙΛΕΛ ΛΗΝΟΣ, and in the *exergue* ΑΡΤΕ (the month Artemisios), and under the throne the date '286' (=B.C. 27.) The *reverse* is quite new to the Parthian series, and shows a City kneeling in homage before the king.

Egypt.—Ptolemy I. A gold stater of the rare class struck in the name of Ptolemy by Magas in the Cyrenaïca, B.C. 308—280. The *obverse* bears a head of Ptolemy, and the *reverse* a beardless figure (perhaps intended for Alexander the Great, in the character of Zeus) holding a thunderbolt, and driving a quadriga of elephants.

2. *Roman Series:*—

An aureus of the Emperor Probus (A.D. 276—282), with reverse type, HERCVLI ARCADIO Hercules contending with the stag of Ceryneia in Arcadia.

3. *English Series*:—

A 17th century token of Crondall, Hants. *Presented by C. J. Maxwell Lefroy, Esq.*

A 17th century token of London. *Presented by R. Hewitt, Esq.*

Three bronze medals struck on the opening of the Crystal Palace, and formerly belonging to Sir Michael Costa. *Presented by A. Durlacher, Esq.*

A bronze medal commemorating the visit of His Imperial Majesty the German Emperor to the City of London, 10 July 1891. *Presented by the Corporation of the City of London.*

Two medals in white metal of the Grammar School, Guildford. *Presented by G. C. Williamson, Esq.*

4. *Mediæval and Modern Series*:—

Five mediæval coins of Germany. *Presented by O. C. Raphael, Esq.*

A bracteate of Strasburg of the 12th century. *Presented by Lord Grantley,* F.S.A.

A Mexican *Real*, struck during the insurrection of 1811—1815. *Presented by A. W. Brown, Esq.*

A gold *angel* of Mons, in Hainault, of the 15th century. *Presented by E. A. Wilson, Esq., and Miss A. G. Wilson.*

Eight half and eight quarter dollars of the "cut money" of Tortola.

A bronze medal of Rudolph Virchow, with his portrait on the obverse, and emblematical figures of Science, Light, etc., on the reverse. *Presented by the Rudolph Virchow Committee.*

A silver badge, with portrait of Louis Philippe, given by the King to General D'Arblay. *Presented by Lady Charlotte Schreiber.*

A bronze medal commemorating the 250th anniversary of the "Ancient and Honourable Artillery Company of Massachusetts." *Presented by Captain A. A. Folson.*

Three Danish bank-notes of the 18th and 19th centuries. *Presented by Lord Grantley,* F.S.A.

5. *Oriental Series*:—

Twenty-seven silver coins of the Moghul Emperors of Hindustan. *Presented by the Durbar of Gwaliyar through the India Museum, Calcutta.*

A collection of 134 Indian coins, 7 gold, 73 silver, and 54 copper, chiefly of the modern rulers of the Panjab. Also a series of 13 gold, 35 silver, 17 copper, 1 iron, and 17 lead coins, illustrating the development and history of the coinage of Burma. *Presented by Major R. C. Temple, President of the Municipality of Rangoon.*

Five gold fanams of Alamgir and Sháh Alem, Moghul Emperors of Hindustan. *Presented by Captain R. H. Campbell Tuffnell.*

A gold fanam, found in the Dharwad district. *Presented by the Bombay Branch of the Royal Asiatic Society.*

A rare and unpublished double-mohur of Shams-ud-Din Muzaffar Sháh of Bengal.

An Indian gold coin called "Padma Tanka," found near Satara. *Presented by the Bombay Branch of the Royal Asiatic Society.*

A silver Gadhia coin, found in the Nasik district, and a silver Gupta coin, found in the Kaira district. *Presented by the Bombay Branch of the Royal Asiatic Society.*

A silver coin of Nepal, struck by Surendra Vikrama, A.D. 1854. *Presented by Colonel Falkland Warren*, C.M.G.

A copper coin of the Pala dynasty of Magadha. *Presented by R. M. Edwards, Esq.*

A series of 54 ancient copper coins, and three gold, two silver, and two copper modern coins of Nepal. Many of the ancient coins in this series are unique, and their inscriptions throw considerable light on the early history of this State.

A modern copper medal of Bai Hirabai Pestenji Hormusji Cama. *Presented by John Pinches, Esq.*

Three silver and seven copper modern coins of Siam. *Presented by H. Montagu, Esq.*, F.S.A.

III.—*Catalogues.*

Greek Series:—

The Catalogue of the Coins of Alexandria, by Reginald Stuart Poole, LL.D., the Catalogue of the Coins of Ionia, by Barclay V. Head, D.C.L., PH.D., and the Catalogue of the Coins of Mysia, by Warwick Wroth, F.S.A., have been published.

English Series:—

The Catalogue of English Coins, Vol. II., by H. A. Grueber, F.S.A., and C. F. Keary, F.S.A., is in the press, and nearly ready for publication.

Oriental Series:—

The Catalogue of the Coins of the Moghul Emperors of Hindustan, by Stanley Lane-Poole, and the Catalogue of Chinese Coins, Ancient Series, by Terrien de la Couperie, have been published.

IV.—*Exhibitions.*

Five sections of the series of electrotypes of Greek Coins have been remounted, and placed in a wall-case in the Etruscan Saloon.

The

The English, Italian, and French medals, and the British and Colonial Coins, have been withdrawn from the exhibition cases in the North Gallery, and have been placed in cabinets in the Medal Room, pending their re-exhibition in the new Department of Coins and Medals.

V.—*Visitors to the Medal Room and the Gold Ornament Room.*

The number of visitors to the Medal Room during 1892 was 1,723.

The number of visitors to the Gold Ornament Room during 1892 was 19,801.

Barclay V. Head.

X.—British Museum (Natural History).

STATEMENT of Progress made in the Arrangement and Description of the Collections, and Account of Objects added to them, in the Year 1892.

General.

Assistant Keepership, Geological Department.

Mr. Arthur Smith Woodward, Second-class Assistant in the Department of Geology, has been appointed by the Principal Trustees to the Assistant Keepership of the Department, rendered vacant by Mr. Etheridge's retirement.

Warding of Galleries.

The Trustees have resolved, with Treasury concurrence, to substitute commissionaires for police constables in warding the exhibition galleries of the Museum, whereby a saving of about 500*l.* annually will be effected, and a step taken in the direction of finding employment for men who have passed through the ranks of the Army and Navy.

Swiney Lectures.

Professor H. Alleyne Nicholson gave his third course of lectures on the Swiney Foundation during October, his subject on this occasion being "The Great Periods of Geological History." The total number of persons attending the twelve lectures was 2,719 (as compared with 2,565 in 1891), being an average of nearly 227 persons at each lecture. Although it is

satisfactory to be able to record that this number is considerably in excess of previous returns of attendance at these lectures, yet it by no means represents the number of persons who would have been present had the only room within the building available for the purpose been capable of holding a larger audience. Reference to this subject was made in last year's Return, and it is only necessary to state here that the Trustees will consider in the ensuing summer what steps can be taken to provide better accommodation, either at the Natural History Museum or elsewhere, for those desirous of hearing the course of lectures to be delivered in October next. It may be added that Professor Nicholson has been appointed Swiney Lecturer for a further term of two years.

Proposed Building for Whale Skeletons.

The recent acquisition of several skeletons of large whales, desiderata to the collection, has caused the Trustees to make a representation to the Treasury as to the extremely inadequate accommodation existing in the Museum for the preservation and exhibition of this group of animals, of peculiar interest to a maritime nation like Great Britain, which has been for so long, and is still largely concerned in the whale fishery.

As there seems little prospect at present of the completion of the permanent building by the erection of the wings which form part of the original design, the Trustees, after consultation with the First Commissioner of Her Majesty's Works, propose to obtain the sanction of the Lords Commissioners of the Treasury to the erection of a temporary building for the whale skeletons on some of the unoccupied ground at the north-west angle of the Museum, and it is hoped that the work may be commenced and completed during the financial year 1894–95.

Presents.

Some 1,100 presents have been received during the year, many of them embracing large numbers of specimens. All the more important of these will be found detailed in the Reports of the Keepers of the several Departments; the following, however, are mentioned here as being of special interest:—

From His Royal Highness the Grand Duke of Hesse.—A fine specimen of the wild boar, shot by His Royal Highness the late Grand Duke Louis of Hesse, in the park of Waldleiningen, and by his desire presented to the Museum.

From the Lords of the Admiralty.—Further valuable consignments of zoological specimens collected by Mr. J. J. Walker, Chief Engineer, and Mr. P. W. Bassett-Smith, Surgeon,

geon of H.M.S. "Penguin," during the surveying operations of that vessel among the islands off the west and north-west coasts of Australia.

*** The Trustees would especially call attention to the zeal and ability which Messrs. Walker and Bassett-Smith have shown in making collections which, while they have proved of the greatest value in providing material for the scientific investigation of the marine zoology of the Australasian coasts, have considerably enriched the National Collections. The successful efforts of these gentlemen are the more remarkable when it is borne in mind that the work has been accomplished in their leisure time, and in addition to their arduous naval duties.

From Sir John Evans, K.C.B., F.R.S.—A collection of books and pamphlets, comprising publications of the Zoological Society, Linnean Society, United States Geological Survey, etc.

From Sir George Baden-Powell, K.C.M.G., M.P.—A collection of zoological specimens made by him during his recent mission to Behring Sea and the Sea of Kamtschatka.

From H. H. Johnston, Esq., C.B., Her Britannic Majesty's Commissioner for Nyassa Land.—A valuable series of vertebrates from the Nyassa highlands, comprising 19 human skulls, 67 mammals, 264 birds, 22 reptiles, and 9 batrachians.

From F. D. Godman and O. Salvin, Esqrs.—The eighth instalment of their collection of birds, consisting of 4,447 specimens, and containing 12 types and 25 species new to the collection.

A further portion of their valuable collection of Central American coleoptera, consisting of the *Phytophaga*, and containing 13,752 specimens, referable to 1,991 species, of which 1,363 are new.

And a supplementary series of Longicorn beetles.

From Henry Seebohm, Esq.—The second instalment of his collection of birds' eggs, consisting of about 3,000 specimens of the orders *Striges*, *Picariæ*, *Coccyges*, and *Passeriformes*.

Also a series of 1,013 skins of wading birds.

From St. George Littledale, Esq.—An adult pair of the European Bison, from the Caucasus.

From Professor R. Collett, of the Christiania Museum.—Animals, plants, grasses, etc., for the Arctic group in the Central Hall, showing adaptation of colour to surrounding conditions.

From Professor H. G. Seeley, F.R.S., and the Council of the Royal Society.—The skeleton of *Pariasaurus Baini* (Seeley), 0.108. and

and other fossil reptilian remains, from the trias of South Africa, obtained partly by means of the Government Grant to the Royal Society.

From the Rev. J. E. Carpenter.—The collection of specimens of Eozoon, formed by the late Dr. W. B. Carpenter.

From Mrs. Davies.—The extensive herbarium of mosses, hepatics, and lichens, formed by her late husband, Mr. George Davies, and containing about 20,000 named and localised specimens.

From Major H. C. Harford.—A selection of 1,287 specimens from his fine collection of Indian lepidoptera, the whole of which he had generously placed at the disposal of the Trustees.

From P. H. MacGillivray, Esq.—A series of water-colour drawings of British birds and fishes, prepared by the late Professor MacGillivray, of Aberdeen, for a work he contemplated publishing.

From the executors of the late Dr. P. H. Carpenter (in accordance with the intentions of the deceased).—An interesting collection of microscopic sections and original drawings of plates illustrative of shell structure, prepared for the late Dr. W. B. Carpenter.

Exchanges.

Exchanges of specimens have been made with the undermentioned institutions and individuals:—

Of zoological specimens.—With the Leiden Museum; Professor R. Collett of the Christiania Museum; and Mr. C. Lean.

Of fossils.—With the National Museum, Washington; the University Museum, Princeton, New Jersey, U.S.A., the Geological Survey of Germany; the Imperial Academy of Sciences, St. Petersburg; the University Museum, Berlin; and with Mr. W. R. Billings.

Of minerals.—With H. E. Julien de Siemachko; and Mr. A. Dick.

Casts of the *Pariasaurus Baini*, and of other fossil reptilian remains from the triassic strata of South Africa, have been sent to Kimberley to be shown at the South African International Exhibition, on condition of their being afterwards delivered to the South African Museum, Cape Town, to be retained at that institution in exchange for specimens received.

Duplicates.

A large number of duplicate specimens of all classes of natural history have been distributed among the various institutions which have from time to time been placed on the list to receive them. The following is a list of the institutions which have participated in the distribution during the past year :—

Zoological Specimens.—University College, Dundee ; Maidstone Museum ; the Cornwall County Fishery Exhibition, Truro (marine animals—to form a basis for a permanent county museum) ; the Mason College, Birmingham (skulls of mammals—to assist in the formation of a dental museum in connection with the Queen's Faculty of Medicine).

Fossils.—The London School Board (about 1,000 specimens, for distribution among the schools of the Board) ; Brighton Museum (duplicate Brachiopoda, selected from the Davidson Collection, in accordance with the conditions of the bequest).

Minerals.—Bedford College, London ; Blundell's School, Tiverton ; Board Schools, Tamworth ; Burton-in-Lonsdale Endowed School ; Cann Hall Lane Schools, Leytonstone ; Cheltenham Grammar School ; Dowlais Boys' School ; Ellesmere College : Eton College ; Hunt Memorial Museum, Redruth ; John Addey's Endowed Schools, Deptford ; Leeds Museum ; Linthorpe Industrial School, Middlesborough ; Portsmouth Museum ; Queen's College, Cork ; St. Augustine's Boys' School, Kilburn ; St. Paul's School, Lisson Grove ; St. Paul's School, West Kensington ; Seven Sisters School, Stamford Hill ; University College, Liverpool ; University College School, London ; the Warwickshire Natural History Society ; and Winchester City Museum (in all about 3,000 specimens).

Also, the Dublin Museum of Science and Art (a series of about 2,200 rock specimens).

Botanical Specimens.—The Dublin Museum Herbarium (wood sections).

Catalogues and Guide-Books.

Two additional volumes of the Catalogue of Birds have been published during the year, namely :—

Vol. XVI. Catalogue of the Picariæ. . . *Upupæ* and *Trochili*, by Osbert Salvin. *Coraciæ*, of the families Cypselidæ, Caprimulgidæ, Podargidæ, and Steatornithidæ, by Ernst Hartert. *Pp. xvi.*, 703 : *woodcuts and* 14 *coloured plates*

plates. [With Systematic and Alphabetical Indexes.] 8vo. 1*l*. 16*s*.

Vol. XVII. Catalogue of the Picariæ. . . *Coraciæ* (continued) and *Halcyones*, with the families Leptosomatidæ, Coraciidæ, Meropidæ, Alcedinidæ, Momotidæ, Totidæ, and Coliidæ, by R. Bowdler Sharpe. *Bucerotes* and *Trogones*, by W. R. Ogilvie Grant. *Pp. xi.*, 522: *woodcuts and* 17 *coloured plates*. [With Systematic and Alphabetical Indexes.] 8vo. 1*l*. 10*s*.

There has been also issued a Catalogue of the British Echinoderms. . . By F. Jeffrey Bell. *Pp. xvii.*, 202: *woodcuts and* 16 *plates* (2 *coloured*). [With Table of Contents, Tables of Distribution, Alphabetical Index, Description of Plates, &c.] 8vo. 12*s*. 6*d*.

A fourth edition of the Guide to Mammalia has been published (*pp.* 126: 57 *woodcuts and* 2 *plans*), in stiff cover, the price being raised to 6*d*.

The usual wide distribution of these works has been made among Free Public Libraries and other institutions in Great Britain and Ireland; and they have been presented to many Indian, Colonial, and Foreign Institutions, as well as to a number of individuals who have either assisted in the preparation of the Catalogues, or been benefactors to the Museum.

Selections of the Natural History publications of the Trustees have been sent to several institutions and individuals who have applied for them, and additions have been made to the list of institutions with which arrangements have been entered into for the interchange of publications.

The following Catalogues are in preparation:—

A General Catalogue of the Books in the Departmental and General Libraries.

Catalogue of Birds, Vol. XXI. (Pigeons), by Count Salvadori; Vol. XXII. (Game Birds), by Mr. W. R. Ogilvie Grant; Vol. XXIII. (Rails, Cranes, and Bustards), and Vol. XXIV. (Waders), by Dr. R. B. Sharpe; and Vol. XXV. (Gulls and Petrels), by Mr. H. Saunders and Mr. O. Salvin.

Catalogue of Snakes, Part I., by Mr. G. A. Boulenger.

Illustrations of Typical Specimens of Lepidoptera Heterocera, Part IX., by Mr. G. F. Hampson.

Catalogue of Madreporarian Corals, by Mr. G. Brook.

Catalogue of British Lichens, by the Rev. J. Crombie.

Catalogue of Fossil Fishes, Part III., by Mr. A Smith Woodward.

Catalogue of Fossil Cephalopoda, Part III., by Mr. A. H. Foord.

Catalogue of Mesozoic Plants, by Mr. A. C. Seward.

Central Hall.

The case referred to in the last report, as in preparation, has been completed and placed in the Hall. It is a companion to the winter group from Norway, and exhibits the same species of animals (hare, stoat, weasel, willow grouse, and ptarmigan) in their summer dress, showing their adaptation at that season to their natural surroundings. The specimens in both these cases have been presented by Dr. R. Collett, of the Christiania Museum.

A series of Indian butterflies and moths, illustrating some of the phenomena described as "protective resemblance" and "mimicry," to which so much attention is directed by naturalists at the present day, collected and presented by Colonel Charles Swinhoe, has been mounted for exhibition.

Among the many additions made during the year to the morphological series arranged in the alcoves round the hall, is a collection of specimens mounted in spirit, showing the general external and anatomical characters of the principal types of mollusca. Many of these were obtained by purchase from the Zoological Station at Naples.

To the first alcove, devoted to the osteology of the class Mammalia, have been added the skeletons of a man and of a horse, placed in the same case, and arranged for comparison with each other, and also to show the position of the bones of both in relation to the external surface, by a method not hitherto adopted in the exhibition of such specimens. In the case of the horse, the skin of the same animal from which the skeleton was prepared was carefully mounted, and, when dry, divided in the middle line, and one half, lined with black velvet, placed behind the skeleton. In the man the external surface is shown by a papier-maché model, similarly lined and placed in a corresponding position. As all the principal bones of both skeletons have their names attached to them, a careful study of this group affords not only an instructive lesson in comparative anatomy, but will also, it is hoped, be of practical utility to the artist.

General Library.

The additions to the General Library during the past year have been :—

By purchase - - -	379 volumes	and 3 maps.
By donation - - -	276 volumes	and 25 maps.
By transfer from other Departments - -	164 volumes.	
Total - -	819 volumes	and 28 maps.

All these works have been catalogued, press-marked, stamped, and placed on the shelves.

The extent of this collection on the 31st of December was 22,055 volumes and 3,645 maps.

The work of cataloguing the books in the Departmental Libraries has been continued during the year, with the following results :—

2,117 title-slips have been prepared and revised for the Botanical Libary,
313 for the Geological Library,
78 for the Mineralogical Library, and
8,707 for the Zoological Library.

11,215 - - Total.

The work in the General Library, and in the Libraries of the Geological and Mineralogical Departments, has been kept up to date. The cataloguing of the Books in the Botanical Library was completed early in the year, and has since been kept up ; whilst, as will be seen from the foregoing figures, a large amount of work has been done in the Zoological Library.

W. H. Flower,
Director.

British Museum (Natural History),
1 April 1893.

Department of Zoology.

I.—*Arrangement.*

1. The additions to the collection of Mammalia, which have been more than usually numerous, have been entered in the catalogues as soon as they were examined and named.

2. The arrangement of the unmounted Bird-skins has proceeded with the progress of the "Catalogue." Besides, a great part of the specimens received since the publication of volumes 9 and 10 have been incorporated, placed in glass-topped boxes and labelled in accordance with the nomenclature of the Catalogue.

The arrangement of the collection of Birds' Eggs has been proceeded with by Mr. Seebohm; 22 cabinets are now completed. The whole of the Egg collection, with the exception of the Eggs of Passerine Birds, which are still in progress of arrangement, is, therefore, available for study.

Of the two cabinets specially constructed for the exhibition of the Eggs of British Birds, one has been completed and placed in the British Saloon for the use of visitors; it contains a very liberal selection of specimens to show the variations in colour.

3. The additions to the collections of Reptiles and Fishes have been incorporated and entered in the printed catalogues as soon as the specimens were examined and named. The arrangement of the collection of Snakes has also been proceeded with.

Since the first publication of the first volume of the "Catalogue of Fishes" 33 years have elapsed, and the contributions made during this long interval, to our knowledge of the Class, as well as to the collection in the Museum, have been so numerous and important as to demand a thorough systematic revision of the whole. Therefore, the Assistant in charge of this part of the collection has commenced the Manuscript of a new edition of the "Catalogue" (which will occupy many years), and has made some progress with the re-examination and arrangement of the specimens of the first family, that of the Perches.

4. The rearrangement of the general collection of Land Shells has been continued; the Terrestrial Species found in St. Helena, as well as a supplementary collection of Marine Shells from the same island, the Shells of the Victoria Nyanza, a collection of Land Shells from North Borneo, and the species of the sub-genus *Acila* have been worked out and reported upon; and selections from the large collections made by Messrs. J. J. Walker and Bassett-Smith, of H.M.S. "Penguin,"

guin," Major Spratt, Captain Turton, and Mr. J. H. Ponsonby have been mounted and incorporated.

5. *Crustacea, Myriopoda,* and *Arachnida.* The Assistant in charge of these collections has continued to be engaged in the examination and determination of Myriopoda, but this work has now been brought to a conclusion.

The report upon Messrs. Godman and Salvin's extensive collection of Central American Myriopoda has been completed.

The specimens of Indian and Burmese Decapod Crustaceans have been to a large extent revised and rearranged by Mr. J. R Henderson, who worked them out in connection with his own large collection of Indian Malacostraca, which he has since liberally presented to the Museum.

6. In the collection of *Coleoptera* the work of arrangement has been almost entirely confined to the *Galerucidæ*; such of the Central American *Longicornia* of the Godman-Salvin collection as were left undetermined at the death of Mr. H. W. Bates, have been worked out and the new species described; a collection from Costa Rica, and the Longicorns of the Atkinson and Walker collections have been studied and incorporated.

7. Considerable progress has again been made in the arrangement of *Lepidoptera.* Valuable assistance has been given in the revision of the family *Hesperiidæ,* by Lieutenant E. Y. Watson; some over-crowded groups of *Nymphalidæ* and *Papilionidæ* have been expanded, and the incorporation of the Moore collection of *Euplœinæ* has been completed. In the Heterocerous Lepidoptera the arrangement of the tribe Noctuites has been continued, all corrections of synonymy being entered in the "Catalogue" and published; the families *Psychidæ, Cossidæ, Arbelidæ, Hepialidæ, Uraniidæ, Epiplemidæ,* and *Sesiidæ* have also been revised and rearranged, and manuscript lists of the specimens prepared at the same time. A large collection made in the North-West Himalayas by Major Harford has been labelled, and the bulk of the specimens incorporated. The preparation of an Index to Walkerian types, referred to in last year's Report, and the labelling of types have been continued.

8. The rearrangement of the general collection of *Syrphidæ* has been continued, and a report upon new species of *Bacchini* and *Brachyopini* has been prepared for publication. Numerous additions have been prepared for the British collection.

9. The Homopterous insects from the "Atkinson" collection and the Rhynchota from the "Green" collection have been incorporated.

10. Additions

10. Additions to the collections of Echinoderms and Worms have been named and incorporated; a manuscript list of the *Asteroidea* has been commenced, and the lists of other Echinoderms have been kept up to date. The revision of British Echinoderms has been completed, and the dried specimens arranged in accordance with the "Catalogue."

The final examination of the *Madreporaria* has been continued, and the 400 specimens acquired during the year have been determined and described.

11. The arrangement of the Polyzoa, together with a manuscript list of the specimens in the collection have been almost completed.

The Parker collection of *Foraminifera* is in progress of a thorough examination, in order to ascertain and preserve the history of each of the slides. This important work has been undertaken by Professor Rupert Jones, F.R.S., who, in conjunction with the late Professor W. K. Parker, had made this collection his special study.

II.—*Registration.*

The specimens obtained during the year, whether by purchase or presentation, have been entered in the manuscript registers of accessions, and the register-numbers attached to them. For future reference the date and mode of acquisition, the exact locality where the specimens were obtained, the name of the collector, and any other particulars of interest respecting them, are entered.

III.—*Conservation.*

As in previous years, the usual work of conservation has been continued by dusting and cleaning, in rotation, the exhibited specimens, placing the study-collections of small Mammalia, Bird-skins, Shells, Dried Sponges, Corals, Echinoderms, and Polyzoa in glass-topped boxes, renewing the camphor or naphthaline in the wall-cases, store-cabinets, and some of the insect-drawers, and the spirit of the collections preserved in alcohol. Of other work coming under this heading the following should be specially mentioned: –

1. The exhibition-cases in the Osteological Gallery, containing the skeletons and skulls of the Ungulates, have been repaired and repainted, and their contents re-arranged with the addition of numerous recent acquisitions.

The specimens of Mammalia mounted for exhibition were: —A Central Tibetan Bear (*Ursus pruinosus*); seven Northern Fur Seals (*Callorhinus ursinus*), mounted to form a group; a pair of European Bisons (*Bos bonasus*); a Mindoro Buffalo (*Bos mindorensis*); a Caucasian Ibex (*Capra cylindricornis*);

dricornis); two Somali Gazelles (*Gazella pelzelni* and *Ammodorcas clarkii*); a Black Buck (*Antilope cervicapra*); and a Marsupial Mole (*Notoryctes typhlops*).

Skeletons have also been mounted of a Sea Otter (*Enhydris lutris*); a Chillingham Bull (*Bos taurus*); an European Bison (*Bos bonasus*); and two small Cetaceans (*Kogia breviceps* and *Delphinus microps*).

2. The numbering of the Birds' Eggs has been continued.

Four groups, illustrating the nesting habits of British Birds, have been completed, viz.: Hooded Crow, Carrion Crow, Martin, and Swift; and much progress has been made in the mounting of similar groups of the Buzzard and Golden Eagle. The faithful reproduction of the rock-work, which forms the base for these two groups, and fills a large wall-case in the Bird Pavilion, has been executed with great skill by Richard Hall, a mason whose services were lent by the Geological Department.

A case, illustrating the nesting of the Hoatzin (*Opisthocomus cristatus*), comprising nest, eggs, and parent birds from British Guiana, has been mounted for the Bird Gallery. The specimens were presented by J. J. Quelch, Esq., of the Georgetown Museum.

3. A series of types of Batrachians in spirit, and their skeletons, have been mounted for exhibition in a table-case placed in the Reptile Gallery. A few Sharks and Rays from Muscat have been mounted for the Fish Gallery, and numerous skeletons and skulls of Snakes, as well as of several Percoid Fishes, have been prepared.

4–9. The exhibition in the Insect Gallery has received particular attention; a series of models illustrating the injuries done by Arachnids and Insects to plant-life have been prepared, together with descriptive labels and drawings of such as are of minute size, viz.:—

Turnip, showing galls formed by the Turnip Weevil (*Ceuthorynchus sulcicollis*); Apple-twig with flower buds injured by the Apple Weevil (*Anthonomus pomorum*); Cabbage Leaf, showing the injury caused by the Diamond-back Moth (*Plutella xylostella*); Mustard Plant, showing the injury caused by the Mustard Beetle (*Phædon cochleariæ*); Bramble, with curious gall formed in the stem by a small Hymenopterous Insect (*Diastrophus rubi*); Ground Ivy with galls from another small Hymenopterous Insect (*Aylax glechomæ*); Hazel, showing buds distorted by a Mite (*Phytoptus avellanæ*); Birch, showing buds distorted or arrested by a Mite (*Phytoptus betulæ*).

The following have also been added to the exhibited series:—A specimen of a gigantic Crayfish from Tasmania (*Astacopsis franklinii*); the nest of a Trapdoor Spider from Ceylon

Ceylon (*Œophlœus cinctipes*); a nest formed on the stems of Palm leaves by White Ants (*Termes*) from Sierra Leone; a nest formed on the ground, also by White Ants, from the same locality; a piece of sheet-lead gnawed through by White Ants, from North-West Australia; nest of a Tree Ant (*Crematogaster*) from Sierra Leone; a mass of cocoons of a Honey Moth (*Aphomia sociella*) found in a disused dog-kennel in England; a series of specimens illustrating the life history of a Gregarious Moth (*Anaphe panda*), with the nest, samples of silk and Parasitic Fly, from D'Urban; a remarkably long cocoon formed by the Caterpillar of one of the *Psychidæ* from New Guinea; specimens illustrating the metamorphoses of the Cockchafer (*Melolontha vulgaris*), in spirits; also of a Beetle (*Spondylis*), an Ant Lion (*Myrmeleon*), and a Wasp (*Vespa*).

Some of the Moths of the family *Saturniidæ* in the table-case have been replaced by bred specimens presented for exhibition by the Zoological Society, and others have been removed to make room for the exhibition of a number of preserved larvæ of various species presented by Lord Walsingham.

To the exhibited series in the British Room has been added:—A House Martin's nest in which a colony of Humble Bees (*Bombus muscorum*) have made their moss nest; this has been attacked by the Caterpillars of a Honey Moth (*Aphomia sociella*), a well-known bee parasite, the cocoons of which are on the top of the nest, from East Clandon, Surrey.

10. The most interesting additions to the exhibited series in the Starfish Gallery are a finely preserved specimen of *Echinus acutus* from the Zoological Station at Naples; two examples of *Phormosoma placenta*, one expanded and the other shrunken, to demonstrate the flexibility of the test of this curious urchin; a fine example of *Actinometra*, on which it has been possible to label distinctly the various groups of arm-joints; and examples prepared to show the generic differences between *Antedon* and *Actinometra*.

For the Coral Gallery, preliminary to a complete revision of the *Alcyonaria*, diagrams illustrative of the chief structural features of the more important types have been prepared; labels descriptive of the *Antipatharia* have been fixed to the wall. Two very interesting separate cases have been set up, one showing the various modes of growth exhibited by species of *Juncella*, and the other containing some fine examples of Alcyonarians (*Ctenocella pectinata* and *Gorgonia australiensis*) from North Queensland. Various descriptive labels have also been added.

A large number of Stony Corals have been repaired, and a considerable proportion mounted for exhibition.

11. Nine hundred and thirty-five slides of the Parker collection of Foraminifera have been cleaned and labelled.

IV.—*Duplicates.*

The duplicates distributed amongst various museums are the following :—To the University College, Dundee, 56 Mammalia, 1,476 Birds, 71 Reptiles and Fish, 850 Shells, 7 Polyzoa, 52 Crustacea, 33 Myriopoda, 266 Lepidoptera, 20 Echinoderms, 3 Annelides, 4 Hydroids, and 7 Sponges ; to the Maidstone Museum, 1 Cape Buffalo (*Bos caffer*), and 73 Birds ; to Mason College, Birmingham, 9 skulls of Mammals ; and to the Museum of the Cornish Fishery School, 30 species of Fishes, 180 species of Shells, 20 species of Crustaceans, 6 species of Polyzoa, 8 species of Hydroids, and 6 species of Sponges. Six hundred and fifty Birds, 50 Eggs, and 40 Coleoptera were utilised in exchanges.

V.—*Departmental Library.*

The Departmental Library has acquired, by purchase, presentation, or exchange, 61 separate works in the same number of volumes, besides 708 parts of periodicals and works in progress ; of the latter, 77 volumes have been completed during the year. The total number of works now in the Library is 9,850, represented by 15,843 volumes.

All the additions during the year have been entered in the Purchase Book, catalogued, press-marked, stamped, and placed on the shelves ; 138 volumes have been bound.

VI.—*Catalogues.*

The following Catalogues have been issued during the year 1892 :—

1. Catalogue of Birds, Vol. XVI., Picariæ (8vo. 704 pp., 14 plates), by Osbert Salvin and E. Hartert.

2. Catalogue of Birds, Vol. XVII., Picariæ (8vo. 524 pp., 17 plates), by R. B. Sharpe and W. R. O. Grant.

3. Catalogue of the British Echinoderms (8vo. 202 pp., 16 plates), by F. Jeffrey Bell.

In addition to the above works the first volume of "the Catalogue of Snakes," and "Illustrations of Types of Lepidoptera Heterocera," Part IX., have passed through the Press ; and the manuscripts of Volumes XXI., XXII., XXIII., and XXIV. of the "Catalogue of Birds" and a "Catalogue of Madreporarian Corals" are in course of preparation

paration. A new edition of the Guide to the Galleries of Mammalia is also ready for publication.

The following are the most important reports or descriptive papers which have been prepared by the Departmental Staff in connection with various parts of the collection, especially recent acquisitions, and have been published in scientific journals:—

1. "On the species of the Hyracoidea"; "Description of a new East African Antelope (*Oryx callotis*)"; "On some Mammals from Mount Dulit, North Borneo"; "On the probable identity of certain specimens in the British Museum with those figured by Albert Seba in his Thesaurus of 1734"; "On the Antelopes of the genus *Cephalolophus*"; "On the Insectivorous genus *Echinops*," by O. Thomas.

2. "Descriptions of new species of Birds discovered by Mr. C. Hose on Mount Dulit"; "Description of a new species of *Calyptomena* from North-Western Borneo"; "On a collection of Birds from Mount Dulit"; "On the Birds collected by Mr. F. J. Jackson during his recent expedition to Uganda, through the territories of the Imperial British East African Company, with notes by the collector, Parts III–V. Descriptions of some new species of Timeliine Birds from West Africa," by R. B. Sharpe. "A short review of the Francolins belonging to the genera *Francolinus* and *Pterinotes*"; "On the Gallinaceous genera *Bambusicola* and *Arboricola*"; "On the genus *Coturnix*," by W. R. O. Grant.

3. "List of the species of Reptiles and Fishes collected by Mr. A. E. Pratt on the Upper Yang-tze-kiang and in the Province Sze-chuen, with descriptions of the new species"; "Report on a collection of Reptiles and Batrachians transmitted by Mr. H. H. Johnston from Nyassa Land," by A. Günther. "A Synopsis of the Tadpoles of European Batrachians"; Notes on Transcaspian Reptiles"; "On newly discovered East African Chameleons"; "List of Reptiles and Batrachians from the Transvaal"; "On Reptiles and Batrachians from the Loo Choo Islands"; "Third account of the Fishes obtained at Muscat by Surgeon-Major A. S. G. Jayakar"; "On *Lucioperca marina*"; "On new or little known Fishes from Matto Grosso, Brazil," by G. A. Boulenger.

4. "Descriptions of new species of Shells from Mauritius and California"; "On the Shells of the Victoria Nyanza or Lake Oukéréwé"; "Further additions to the known marine Molluscan fauna of St. Helena"; "Additions to the Shell-fauna of the Victoria Nyanza"; "On the Land Shells of St. Helena"; "Description of a new species of Slug from South Africa," by E. A. Smith.

5. "Report upon two collections of Myriopoda sent from Ceylon by Mr. E. E. Green, and from various parts of Southern India by Mr. Edgar Thurston, of the Government Central Museum, Madras"; "Supplementary notes on the Arachnida and Myriopoda of the Mergui Archipelago, with descriptions of some new species from Siam and Malaysia"; "Descriptions of two new genera of Scorpions, with notes upon some species of *Palamnæus*"; "Report upon the Myriopoda and Arachnida in Mr. Distant's 'Naturalist in the Transvaal,'" by R. I. Pocock.

6. "Notes on Longicorn Coleoptera of the group *Cerambycinæ*, with descriptions of new genera and species"; "Additions to the Longicorn Fauna of Mexico and Central America," by C. J. Gahan.

7. "On a collection of Lepidoptera from Sandakan, North-East Borneo"; "On the genus *Hypocala*, a group of Noctuid Moths"; "On the Noctuid genera allied to *Hypætra* of Guenée"; "Description of a new Moth of the genus *Anaphe* from Madagascar, with a note on the natural position of the genus"; "On the genus *Polychrysia* of Hübner"; "Revision of the Noctuid genus *Melipotis*, Hübn., with descriptions of two new species"; "Notes on the Synonymy of Noctuid Moths," by A. G. Butler. "On the identification of *Attacus atlas*, Linn., and its allies, with remarks on some other species of the genus"; "Notes on various species of *Saturniidæ*, belonging to the genera *Philosamia*, *Bunæa*, *Antheræa*, *Gynanisa*, *Automeris*, and others," by W. F. Kirby.

10. "A contribution to the Classification of Ophiuroids, with descriptions of some new or little-known forms"; "On the Echinoderms collected by the steamship 'Fingal' in 1890, and by the steamship 'Harlequin' in 1891 off the west coast of Ireland"; "On the character and variations of *Pontaster tenuispinis*," by F. J. Bell.

Finally, the following work, written by an author not on the staff of the Museum, should be referred to as being largely based upon the collections in the Museum:—

"The Fauna of British India, Moths, Vol. I.," by G. F. Hampson. Lond. 8vo.

VII.—*Acquisitions.*

During the past year the Department has been increased by the addition of 76,011 specimens, which are distributed among the various branches as follows :—

	By Presentation.	By Purchase.	By Exchange.	Total.
Mammals	544	325	70	939
Birds — James Collection	1,042	—	—	1,042
Birds — Seebohm Collection (Wading-birds and eggs	4,013	—	—	4,013
Birds — Salvin and Godman Collection	4,447	—	—	4,447
Birds — Other sources	435	1,013	119	1,567
Reptiles	308	421	35	764
Batrachians	202	344	32	578
Fishes	394	1,148	40	1,582
Mollusca	4,601	432	182	5,215
Polyzoa	169	—	6	175
Crustacea	1,822	14	—	1,836
Arachnida	302	49	—	351
Myriopoda	1,528	32	—	1,560
Insecta — Salvin and Godman Collections	15,409	—	—	15,409
Insecta — Atkinson Collection	—	12,563	—	12,563
Insecta — Walker Collection	5,131	—	—	5,131
Insecta — Harford Collection	1,511	—	—	1,511
Insecta — Other sources	12,421	993	—	13,414
Vermes	130	1	—	131
Echinoderms	1,010	17	7	1,034
Sponges	151	—	—	151
Anthozoa — Kent Collection	—	993	—	993
Anthozoa — Other sources	510	11	1	522
Hydrozoa	103	—	4	107
Protozoa	41	935	—	976
Total	56,224	19,291	496	76,011

as compared with 48,771 in the year 1891

77,658	„	1890.
69,270	„	1889.
44,087	„	1888.
65,199	„	1887.
36,358	„	1886.
123,358	„	1885.
45,574	„	1884.
31,466	„	1883.

The most important acquisitions were the following:—

1. A set of specimens of the Large Game obtained by St. G. Littledale, Esq., during his last shooting expedition into the Caucasus. They consist of skins and skeletons of the European Bison, Ibex (*Capra cylindricornis*), Chamois, Stag and Wild Boar. Of these the pair of Bisons are of great value this species being nearly extinct, and said to occur in a perfectly wild state in the Caucasus only.

2. A complete series of the Mammals obtained by Dr. John Anderson. F.R.S., during his exploration of the Fauna of Egypt; comprising one hundred and thirty specimens; presented by Dr. Anderson.

3. The collection of Chilian Birds, formed by the late Harry Berkeley James, Esq., F.Z.S.; consisting of one thousand and forty-two specimens; presented by Mr. James shortly before his death.

4. The eighth instalment of the Salvin-Godman collection of Birds referred to in the Report of 1885. This series consists of four thousand four hundred and forty-seven specimens, and contains twelve types and twenty-five species new to the collection.

5. The second instalment of a collection of Birds' Eggs, consisting of about three thousand specimens belonging to the Orders *Striges, Picariæ, Coccyges* and *Passeriformes;* presented by Henry Seebohm, Esq.

6. A series of one thousand and thirteen skins of Wading Birds; presented by Henry Seebohm, Esq.

7. A valuable series of Vertebrates from the Nyassa highlands, comprising nineteen human skulls of the Angoni tribe, sixty-seven Mammals, two hundred and sixty-four Birds, twenty-two Reptiles and nine Batrachians, including many species new to the collection; presented by H. H. Johnston, Esq., C.B., H. B. M. Commissioner for Nyassa Land.

8. The Lords of the Admiralty have presented four other consignments of zoological specimens collected by Messrs. J. J. Walker

J. Walker, Chief Engineer, and P. W. Bassett-Smith, Medical Officer of H.M.S. "Penguin," under the command of Commander W. U. Moore. The specimens were collected in various localities between Australia and China, and comprise two Mammals, including the type of a new Bat (*Nyctophilus walkeri*), seventy-eight Birds, thirty-five Reptiles, nine Batrachians, sixty-nine Fishes, six hundred and eighty-eight Mollusca, ninety-seven Polyzoa, one thousand two hundred and twenty-three Crustacea, fourteen Arachnida, eleven Myriopoda, five thousand one hundred and thirty-one Insects (chiefly Coleoptera and Lepidoptera), forty-nine Worms, seven hundred Echinoderms, ninety-one Sponges, three-hundred and fifty-six Alcyonaria and Corals, and thirty-one Hydrozoa.

9. A selection from the large and beautifully preserved collection of Insects formed by Major Harford in North-West India comprising one thousand four hundred and ninety-eight Lepidoptera, and thirteen Neuroptera; presented by Major H. C. Harford.

10. A selection from the large collection of Indian Insects formed by the late E. T. Atkinson, Esq., consisting of four thousand five hundred Coleoptera, eight thousand Rhynchota, fifty-nine Lepidoptera and four Diptera, and including many typical specimens; purchased.

11. The tenth instalment of Central American Coleoptera, consisting of thirteen thousand seven hundred and fifty-two Phytophagous Coleoptera described by Mr. Martin Jacoby in the "Biologia Centrali-Americana," and one thousand six hundred and fifty-seven Longicornia described by the late H. W. Bates and by Mr. C. Gahan in the "Transactions of the Entomological Society" for 1892 as supplement to the "Biologia"; presented by Messrs. Godman and Salvin.

12. A selected series of two thousand four hundred and sixty Lepidoptera from various localities in India and Burma, comprising many species new to the collection; presented by Lieut. E. Y. Watson.

13. A valuable series of Ceylonese Insects, comprising one hundred and thirty-five Coleoptera, six hundred Lepidoptera, eighty Hymenoptera, one hundred and thirty-five Diptera, one hundred and thirty Neuroptera, thirty-one Rhynchota, and thirty-five Insects of other orders; presented by Colonel J. W. Yerbury.

14. Two collections of Insects in amber, amounting to three hundred and seventy-four pieces; purchased.

15. The collection of Corals, made by Mr. W. Saville Kent on the Great Barrier Reef of Australia.

16. The

16. The collection of recent Foraminifera, formed by the late Professor W. K. Parker, consisting of about one thousand seven hundred slides, and containing the types and other historically important specimens, described by Professor Parker and Professor Rupert Jones; purchased.

17. A series of one hundred and twenty-one watercolour life-size drawings of British Birds and seventy-six of British Fishes, prepared by the late Professor MacGillivray of Aberdeen; presented by his son, P. H. MacGillivray, Esq. of Sandhurst, Victoria.

Mammalia.—The additions to this class during the year were nine hundred and thirty-nine; they include fifty species new to the collection, and thirty-five types. The following are most worthy of note :—

A wild Boar from Waldleiningen, in the Odenwald; shot and presented by H.R.H. the late Grand Duke Louis of Hesse.

The skeleton of a Sibbald's Rorqual (*Balænoptera sibbaldi*), from Wexford Bay, Ireland; purchased.

Twenty-seven small Mammals from Magdeburg, Germany; presented by Dr. W. Woltersdorff.

The skin of a Yarkand Stag (*Cervus yarkandensis*), and a Jeran (*Gazella subgutturosa*), from Kashgaria; presented by Major C. S. Cumberland.

A skull of the Yarkand Stag (*Cervus yarkandensis*), from Maralbashi, Turkestan; presented by Henry Lennard, Esq.

Twenty-five Mammals from Siberia and Tibet, mostly from the Przewalski collection, including five species new to the collection; received in exchange from the St. Petersburg Museum.

A rare hornless Stag (*Elaphodus cephalophus*), a specimen of an Asiatic Deer (*Cervus thoroldi*), also a Bear new to the collection (*Ursus pruinosus*), from Eastern Tibet; purchased.

Eight Mammalia from the Island of Tsu-shima; purchased.

Twenty-seven small Mammals from Foo-chow and Swatow, China; presented by J. de la Touche, Esq.

Ten small Mammals from Suakim; presented by Colonel Sir C. Holled Smith, K.C.M.G.

Three pairs of Antelope horns from the Sahara, nine small Mammals from East Africa, and the head of a new species of Gemsbuck (*Oryx callotis*), from Mount Kilima-njaro; presented by Rowland Ward, Esq.

Eight Mammalia from Somali-land, including the type of *Bubalis swaynei*; collected by Captain H. G. C. Swayne and presented by P. L. Sclater, Esq., F.R.S.

The typical specimens of Jackson's Hartebeest (*Bubalis jacksoni*), of the white-throated Gnu (*Connochætes albojubatus*),

jubatus), and of Harvey's Bushbuck (*Cephalolophus harveyi*), and sixteen other Mammals from East Africa; presented by F. J. Jackson, Esq.

Nineteen Mammalia from East Africa; purchased.

Seven Mammalia from Nyassaland; collected and presented by Alfred Sharpe, Esq.

Thirty-seven small Mammals from Angola, representing species determined and described by Professor Barboza du Bocage; received in exchange from the Lisbon Museum.

Fourteen Mammalia from South Madagascar, including several specimens of the rare Insectivorous genus *Echinops*; purchased.

Skins of two Ibex (*Capra sibirica*), and a Sha-poo (*Ovis vignei*), from Kashmir; presented by Harold Littledale, Esq.

The typical specimen of *Paradoxurus nictitans*, from Orissa; presented by J. H. Taylor, Esq.

A specimen of the rare Pygmy Hare of Sumatra (*Lepus netscheri*); purchased.

Sixteen Mammalia from East Sarawak, including the types of two new Monkeys (*Semnopithecus everetti* and *cruciger*); presented by Charles Hose, Esq.

Fifty-four Mammalia from East Sarawak, collected by Mr. Charles Hose during his explorations of the Mountain systems of Baram, and containing the types of six new species; purchased.

Thirty-six Mammalia from North Borneo, collected by Mr. A. Everett; purchased.

A specimen of the newly-discovered Mindoro Buffalo (*Bos mindorensis*); purchased.

Two specimens of the rare Marsupial Mole (*Notoryctes typhlops*), and two of a Bat new to the collection (*Megaderma gigas*), from Central Australia; presented by Dr. E. C. Stirling.

Forty-six small Mammalia from Toronto and Manitoba; purchased.

Twenty-five small Mammalia from Colorado; purchased.

Thirty-four Mammalia from San Diego, South Texas; presented by William Taylor, Esq.

Seventy-five Mammalia from Jalisco, Mexico, including the type of a new Pouched-rat (*Geomys bulleri*), collected by Dr. A. C. Buller; purchased.

Eight Bats from the West Indies; presented by C. B. Cory, Esq.

Thirteen Mammals from Trinidad; presented by H. Caracciolo, Esq.

Ten small Mammals from Trinidad, including the type of a new Bat (*Artibeus hartii*); presented by J. H. Hart, Esq., F.L.S.

Twelve Mammals from Rio Janeiro; purchased.

Birds.—Eleven thousand and sixty-nine specimens of Skins and Eggs have been added to this class. Some of these

additions have been already mentioned; of the others the following are the most important:—

Four hundred and forty-seven specimens from Captain Savile Reid's collection; purchased.

A series of eighteen Cuckoo's Eggs, with the accompanying clutches of the eggs of the foster parents; purchased.

Four hundred and seventy-four Birds from various parts of Hungary; presented by the Hungarian National Museum.

Twelve specimens from Transylvania, including a pair of *Merula alpestris*, new to the collection, with the nest and eggs; presented by C. G. Danford, Esq.

One hundred and eighty African Birds from the Shelley collection, containing one type and two species new to the collection; purchased.

Ten Birds from Aden, including skins of a rare Bee-eater (*Merops cyanophrys*); presented by Lieut. H. E. Barnes.

Two specimens of a rare Chat (*Myrmecocichla nigra*) from Angola, and the type of a new species of Timeliine Bird (*Amaurocichla bocagii*) from the Island of St. Thomas; presented by Professor Barboza du Bocage.

Three species of Birds, new to the collection, viz.:—*Harpactes whiteheadi*, from Mount Kina Balu, and *Columba nitens* and *C. versicolor*, from the Bonin Islands; presented by Henry Seebohm, Esq.

One hundred and eighteen Birds from Sarawak and North-western Borneo, obtained by Mr. A. H. Everett, including the type of *Scops mantananensis*, and two other species new to the collection; purchased.

One hundred and one specimens obtained in the highlands of Sarawak by Mr. Charles Hose, including eleven types and nineteen species new to the collection; purchased.

Sixteen specimens from the Island of Engano, including nine species new to the collection; purchased.

A pair of Newton's Bower Bird (*Prionodura newtoni*) from Queensland; presented by C. W. De Vis, Esq.

The type of *Platycercus erythropeplus*; purchased from the Zoological Society.

Eight species of Birds from the New Hebrides, including a Pigeon (*Ptilopus corriei*), new to the collection; presented by Professor Collett.

Twenty-one Birds from the Chatham Islands, including the type of a new Petrel, and three species new to the collection, as well as the nearly extinct Rail, *Cabalus modestus*; purchased.

Two specimens of *Porzanula palmeri*, a new species of Crake from Laysan Island; presented by the Hon. Walter Rothschild.

Twenty-seven Birds from the Island of Anguilla, West Indies; presented by the West Indies Exploration Committee.

Twenty-two specimens of Birds from various localities, including

including nine species of Peruvian Birds, new to the collection; presented by the Counts Branicki of Warsaw.

Reptiles.—The additions to this class were seven hundred and sixty-four; the following are the most important:—

Twenty specimens from Austria and Dalmatia; received in exchange.

Twenty-three specimens from Greece and Malta, including a Lizard new to the collection (*Algiroides moreoticus*); presented by Norman Douglass, Esq.

Twelve specimens from Transcaspia; purchased.

Eighteen specimens from Great Loo Choo, including examples of a new Snake (*Trimeresurus okinavensis*); purchased.

Fifteen Snakes from Travancore, including the type of a new species (*Rhinophis travancoricus*); presented by H. S. Ferguson, Esq.

Twenty-nine specimens from Borneo, including an example of a new Lizard (*Varanus heteropholis*); purchased.

A second specimen of a Lizard (*Lacerta simonyi*) from the Canary Islands; presented by the Right Hon. Lord Lilford.

A Snake (*Walterinnesia ægyptiaca*), new to the collection, from Egypt; presented by Walter Innes, Esq.

Fourteen specimens from the Niger, including a new Snake (*Typhlops crossii*); presented by J. W. Crosse, Esq.

Seventy-two specimens from Madagascar; purchased.

Nine Snakes from the United States, belonging to species new to, or imperfectly represented in, the collection; presented by A. Erwin Brown, Esq.

Forty-one specimens from Texas; presented by W. Taylor, Esq.

A North American Snake, new to the collection (*Ischnognathus lineatus*); presented by Dr. S. Garman.

Thirty-four specimens from California; purchased.

One hundred and seventy-five specimens from Mexico; purchased.

Twelve specimens from the Island of Anguilla, West Indies; presented by the West Indies Exploration Committee.

Fifteen specimens obtained by Mr. E. Hartert in the Dutch West Indies, including a Lizard (*Cnemidophorus arubensis*), new to the collection; purchased.

Twelve specimens from Porto Real, Province Rio Janeiro; purchased.

Fifteen specimens from the Province Matto Grosso, Brazil; presented by Spencer Moore, Esq., and Dr. Evans.

Fifteen Lizards from Chili; received in exchange from M. Lataste.

A Boa, new to the collection (*Boa occidentalis*), from the

Province Cordoba, Argentina; presented by E. C. Knight, Esq.

A Snake, new to the collection (*Typhlops bituberculatus*), from Queensland; received in exchange from the Calcutta Museum.

A Snake, new to the collection (*Hoplocephalus bransbyi*), from New South Wales; presented by J. J. Fletcher, Esq.

A Lizard (*Delma impar*), and a Snake (*Hoplocephalus spectabilis*), new to the collection, from Victoria; presented by Dr. E. C. Stirling.

Batrachians.—To this class five hundred and seventy-eight specimens were added. The following may be specially mentioned:—

Twenty-one specimens from various localities; received in exchange from the Christiania Museum.

Fifty-six specimens, mostly European, from the collection of the late M. Héron Royer; purchased.

Twelve Newts from Central France, including specimens of the rare Hybrid, *Molge blasii*; presented by M. R. Parâtre.

Eighteen specimens from Hungary; presented by Professor V. Méhely.

Fifteen specimens from Greece and Malta, including several specimens of the newly-described *Rana græca*; presented by Norman Douglass, Esq.

Thirteen specimens from Syria; presented by Dr. T. Barrois.

Fifteen specimens from Tsu-shima; purchased.

Twelve specimens from Great Loo Choo Island, among them the types of a new Frog (*Rana holsti*) and a new Newt (*Tylototriton andersoni*); purchased.

Seven specimens from Travancore, including a new Toad (*Bufo travancoricus*), and a rare Cæcilian (*Gegenophis carnosus*); presented by H. S. Ferguson, Esq.

Twenty-five specimens from Borneo, including the types of two new species (*Rhacophorus dulitensis* and *Nectophryne hosii*); purchased.

Thirteen specimens from Madagascar; purchased.

Seventy-five specimens from British North America; purchased.

Twenty specimens from California; purchased.

Twenty-three specimens from Texas, including a Frog new to the collection (*Hylodes latrans*); presented by W. Taylor, Esq.

Sixty-three specimens from Mexico; purchased.

A Frog new to the collection (*Agalychnis helenæ*), from Mexico; received from the Institute of Jamaica.

Twenty-one specimens from Porto Real, Province Rio Janeiro; purchased.

Ten

Ten specimens from Matto Grosso, Brazil; presented by S. Moore, Esq., and Dr. Evans.

Ten specimens from New South Wales and Victoria, including types of two newly-described Frogs (*Crinia froggatti* and *Hyla chloris*); presented by J. J. Fletcher, Esq.

Fishes.—One thousand five hundred and eighty-two additions have been made to this class. The following are the most important:—

Seventy-eight British Marine Fish, chiefly Rays; purchased.

Twenty-eight specimens from the West Coast of Ireland; presented by the Royal Dublin Society.

Nine specimens from Scotland; presented by Dr. J. Murray, V.P.R.S.E.

The type specimen of *Rhombus papillosus*, from the West Coast of Scotland; presented by George Brook, Esq.

A specimen of *Lichia vadigo* from Cornwall, being the second British example obtained; presented by the Very Reverend Archdeacon Du Boulay.

A *Salmo ferox* from Loch Assynt, Sutherland; presented by Colonel Flower.

A *Salmo salar* from Loch Conn, County Mayo; presented by G. K. Gore, Esq.

A British specimen of *Coregonus oxyrhynchus*; presented by Mr. E. H. Smith.

Specimens of the lesser Wolf Fish (*Anarrhichas minor*) from Iceland; presented by Messrs. W. Clark and J. Cutting.

A rare Shark (*Centrina salviani*) from the Bay of Biscay; purchased.

Several specimens of a Fish new to the collection (*Aspro asper*), from the Rhone; presented by Dr. L. Lortet.

Twenty-three Freshwater Fishes from Siberia and Central Asia; received in exchange from the St. Petersburg Museum.

Fourteen Marine specimens from Muscat; presented by Surgeon-Major A. S. G. Jayakar.

Twenty-two specimens from Fao, Persian Gulf; presented by W. D. Cumming, Esq.

Sixteen Deep-sea Fishes from the Arabian Gulf and the Bay of Bengal, mostly types of new species described by Dr. Alcock, of the "Investigator" Surveys; received in exchange from the Indian Museum, Calcutta.

Ninety-six specimens from Borneo; purchased.

Two specimens of *Polyprion cernium* from Madeira; presented by R. Blandy, Esq.

Four hundred and seventy-seven specimens from Western Canada and British Columbia, including the types of several new genera and species recently described by Professor and Mrs. Eigenmann; purchased.

Three hundred and two specimens from the State of Indiana; purchased.

A hundred and eleven Freshwater Fishes from Mexico; purchased.

Specimens of a Fish new to the collection (*Pœcilia vandepolli*), from Curaçao; purchased.

Forty-six specimens from Matto Grosso, Brazil, including examples of several species new to the collection, and the types of three new species (*Loricaria evansii, Brachychalcinus retrospina,* and *Tetragonopterus moorii*); presented by S. Moore, Esq., and Dr. Evans.

Specimens of a Freshwater Skate, from the Paraguay (*Tœniura muelleri*), new to the collection; presented by Alfred Busk, Esq.

Mollusca.—To this class, including *Tunicata*, five thousand two hundred and fifteen specimens were added. In addition to those already referred to, the following are most worthy of note:—

Six hundred and seventy-one microscopic preparations of shell structure, described and figured in Dr. W. B. Carpenter's work, "Report on the Microscopic Structure of Shells," and fifty original drawings; presented by the late Dr. P. H. Carpenter.

Twenty specimens of *Oliva*, including the types of sixteen species described by Mr. Lovell Reeve; purchased.

Three abnormal specimens of *Haliotis tuberculata*, one of them without the characteristic perforations; presented by Dr. C. C. Claremont.

Five hundred and twenty Land and Freshwater Shells, collected in Greece, the Islands of the Grecian Archipelago, Bessarabia, and Syria, by the late Admiral Spratt; presented by Major F. T. N. Spratt, R.E.

One hundred and seventy-nine Land, Marine, and Freshwater Shells, from Algeria, South Africa, California, and Tasmania; presented by J. H. Ponsonby, Esq.

Twenty-four Marine, Land, and Freshwater Shells, from South Africa, the Shan States, Sumatra, &c., including fine specimens of *Viviparus shanensis* and *Myxostoma planorbulum*; presented by G. B. Sowerby, Esq.

Two specimens of *Spondylus*, from Madeira, being the types of *S. Powelli*; presented by T. Harcourt Powell, Esq.

One hundred and sixty-nine Marine and two hundred and sixty-three Land Shells, from St. Helena, also three hundred and eighty-five Marine forms, from South Africa; presented by Captain W. H. Turton, R.E.

Forty-five Shells from the Victoria Nyanza, including types new species of *Ampullaria, Planorbis* and *Sphærium*; purchased.

One

One hundred and nineteen Marine Shells, from Bombay; presented by A. Abercrombie, Esq.

One hundred and thirty-three Land Shells, from Madras; presented by J. R. Henderson, Esq.

Forty-four Marine and twenty-nine Land and Freshwater Shells, from Ceylon; presented by Lieut. Col. J. W. Yerbury, R.A.

One hundred and fifty-five Land Shells, from North Borneo; purchased.

Fifty-one Land Shells, from North Borneo, including the types of twenty-seven new species; presented by A. Everett, Esq.

One hundred and twenty Land Shells, from British New Guinea; presented by Charles Hedley, Esq.

Eight Land Shells, from New Guinea, including three fine examples of the rare *Oxytes hercules*; presented by H. Veitch, Esq.

Seventy-one Land, Freshwater, and Marine Shells, from Java, New Guinea, &c., including *Pyrula filosa, Cochlostyla fischeri*, &c.; purchased.

Seventy-seven Marine Mollusca, from East and South Australia, including eight specimens of the genus *Ephippodonta*; presented by J. Brazier, Esq.

Sixty small Land Shells from the Tonga Islands; presented by R. B. Leefe, Esq.

One hundred and ten Land, Marine, and Freshwater Shells, from British Honduras; presented by his Excellency Sir C. A. Moloney, K.C.M.G.

Polyzoa.—One hundred and seventy-five specimens have been added to this class; in addition to those already mentioned, the following may be recorded:—

Thirty specimens of Polyzoa from the West Coast of Scotland; presented by Dr. John Murray, V.P.R.S.E.

Crustacea.—One thousand eight hundred and thirty-six examples of this class have been added to the collection. The majority were collected by the Naturalists of H.M.S. "Penguin," as mentioned above; of the others the following may be noted:—

Eighteen Entomostraca, from the Firth of Forth and Loch Morar, including the types of *Lichomolgus agilis, Moraria anderson-smithii* and *Parartotrogus richardi*; presented by Messrs. Thomas and Andrew Scott.

Five terrestrial Isopods, being the types of *Porcellio contractus, Armadillo syriacus, Armadillidium simonii, A. exteretanum* and *Philoscia cellaria*, from Syria and South Europe; presented by Professor D'Arcy W. Thompson.

Four hundred and thirty-five Decapoda and Stomatopoda, including the types of eleven new species, principally from Madras and Pamban; presented by J. R. Henderson, Esq.

Arachnida.—To this class three hundred and fifty-one additions have been made; the following are worthy of note:—

Eighty-nine Spiders, from Madeira, including the types of two new species (*Attus maderianus*) and *Ariadne maderiana*); presented by W. R. O. Grant, Esq.

Twenty Scorpions, from Cape Town, including a specimen of *Uroplectes variegatus*, new to the collection; presented by H. A. Spencer, Esq.

Fourteen Spiders and Scorpions, including an example of *Lepreus fischeri* new to the collection, from Mombasa; presented by D. J. Wilson, Esq.

Thirty-four Spiders, from Great Loo Choo; purchased.

Four Scorpions, belonging to the genera *Teuthraustes* and *Chactas*, from the Andes of Ecuador; purchased.

Myriopoda.—One thousand five hundred and sixty specimens were added to this class; of these the most important are:—

Eighty Millipedes, from Austria and Italy, among which are some new species of *Polydesmus* and *Atractosoma*; presented by Oldfield Thomas, Esq.

Fifteen Centipedes, from Egypt; presented by Dr. John Anderson, F.R.S.

Fourteen Millipedes and Centipedes, from Mombasa; presented by D. J. Wilson, Esq.

Forty-six Millipedes, referable to twelve species, mostly new to the collection, from Port Elizabeth and Cape Town; presented by H. A. Spencer, Esq.

Five Millipedes, from Imerina, Madagascar, including specimens of *Sphærotherium*; purchased.

One hundred and ninety-eight Millipedes referable to seventeen species, including ten examples of a new species of *Cambala*, from various parts of Burma; presented by E. W. Oates, Esq.

Twenty-three Centipedes and Millipedes, from Great Loo Choo, including a species of *Mecistocephalus* new to the collection, and three new species of *Fontaria*; purchased.

Eleven Millipedes, from Mount Dulit, Borneo; presented by Charles Hose, Esq.

Ten Centipedes and Millipedes, from Mount Rumner, Hobart, including two examples of a new genus of Chilopoda, connecting the three families *Scolopendridæ*, *Geophilidæ*, and *Lithobiidæ*; presented by G. M. Thomson, Esq.

Thirty-four Centipedes and Millipedes, including *Sphærotherium novæ-zelandiæ*, a species new to the collection, and some new species of *Icosidesmus*, from New Zealand; presented by Charles Chilton, Esq.

Sixteen Centipedes and Millipedes, from Jamaica, including four

four new species of *Spirobolus* and two of *Rhacophorus*; presented by T. D. A. Cockerell, Esq.

Insecta.—The total number of specimens acquired during the year amounted to forty-eight thousand and twenty-eight; they are distributed among the various orders as follows:—

Coleoptera	26,442
Hymenoptera	1,254
Lepidoptera	8,814
Diptera	1,553
Mallophaga	3
Anoplura	8
Neuroptera	226
Orthoptera	272
Rhynchota	9,065
Trichoptera	16
Thysanura	1
Insects in amber	374
Total	48,028

In addition to the collections already referred to, the following are the most important acquisitions:—

(From Great Britain.)

A wasp's nest (*Vespa sp.*) from Dorsetshire; presented by Lady Theodora Guest.

Two thousand Lepidoptera from various parts of England, being the collection formed by the late Mr. Greenstreet; presented by his widow.

Twelve specimens of the Diamond-back Moth (*Plutella xylostella*) with pupæ and larvæ, from Norfolk; presented by the Right Hon. Lord Walsingham, F.R.S.

Four preserved larvæ of the Pine Hawk-moth (*Sphinx pinastri*), obtained by Lord Rendlesham in Suffolk; presented by the Right Hon. Lord Walsingham, F.R.S.

Forty-five Diptera, including a specimen of the rare *Merodon equestris*, from Rugby; presented by the Rev. F. D. Morice.

Twenty-three Diptera in especially fine condition, including *Criorrhina berberina*, *Chilosia grossa*, and *Cynomyia mortuorum*, from Essex and Hastings; presented by the Rev. E. N. Bloomfield.

Seventy-five Diptera from Charlton and Gravesend, useful for completing the series in the British collection; presented by Lieutenant Colonel J. W. Yerbury, R.A.

Two hundred and thirty-nine Diptera and two Libellulids from Folkestone; presented by Oldfield Thomas, Esq.

A Libellulid, very rare in Britain (*Sympetrum fonscolombii*), from Surrey; presented by C. A. Briggs, Esq.

(From Europe.)

Four hundred and twenty-one Diptera, including a species new to the collection (*Arctophila bombiformis*), forty-nine Hymenoptera, thirty-four Hemiptera, and thirty-two other insects from Brittany and Boulogne; presented by Oldfield Thomas, Esq.

(From North America.)

Seven Coleoptera, five Hymenoptera, twenty-seven Diptera, three Anoplura, two Trichoptera, and two Thysanura, from Unalaska, Vancouver; presented by Lieutenant H. O. Boger, R.N.

(From the West Indies.)

Fifty Lepidoptera, including *Hyalurga fenestrata* and *Cocytodes immanis*, and two Rhynchota, from Trinidad; presented by Lady Broome.

Six Diptera, including specimens of *Hermetia illucens* and *Sarcophaga lambens*, from Dominica, sent as being supposed to be concerned in the propagation of the Yaws disease among the negroes of the West Indies; presented by H. A. A. Nichols, Esq.

(From South America.)

Forty-one Coleoptera from high altitudes in Ecuador, collected by Mr. Edward Whymper, and named by the late Mr. H. W. Bates, all of them new to the collection; purchased.

Thirty Hymenoptera, thirty-nine Lepidoptera, five Diptera, fifteen Orthoptera, and twenty-five Rhynchota, from Matto Grosso; presented by Spencer Moore, Esq.

Twelve Heterocerous Lepidoptera from Ecuador, typical of species recently described; presented by M. Paul Dognin.

Ten Heterocerous Lepidoptera from Rio Janeiro and Peru, including typical specimens of four species, *Flavinia janeira*, *Darna inca*, *Nelo caullama*, and *Mennis sceata*; presented by W. Schaus, Esq.

(From Africa.)

One hundred and five Hymenoptera, twenty-four Hemiptera, and five insects of other orders from German East Africa; purchased.

Thirty-

Thirty-seven Lepidoptera from Delagoa Bay, including *Charaxes violetta* and *C. azota*, *Zygæna negamica*, *Beralade perobliqua*, *Acantholipes circumdata*, and *Maxula capensis*; presented by the Rev. Henri A. Junod.

One hundred and thirty-two Lepidoptera, nine Hymenoptera, seven Diptera, and one Orthopteron, from Annshaw, King William's Town, South Africa; presented by C. G. Barrett, Esq.

(From Northern Asia.)

Two Coleoptera, nine Hymenoptera, thirty-eight Lepidoptera, nine Neuroptera, four Rhynchota, one Blatta, and twenty-one Diptera, from Tsu-shima, Corean Channel; purchased.

Thirty Lepidoptera, including a fine specimen of *Chærocampa alecto* with its pupa, twenty-four Hemiptera, and twenty-nine insects of other Orders from Fao, Persian Gulf; presented by W. D. Cumming, Esq.

Eighty-eight Lepidoptera from Haiphong, Tonquin; presented by R. G. S. Buckland, Esq.

Thirty Orthoptera, two Hymenoptera, and three Rhynchota, from Bushire, Persia; presented by F. Moore, Esq.

(From Southern Asia.)

A selected series of thirty-six Coleoptera, five Hymenoptera, sixty-five Lepidoptera, ten Rhynchota, sixteen Orthoptera, and five other insects from Baram, North-west Borneo; also ten new or very rare Lepidoptera, from Kina Balu, collected by Mr. A. Everett; purchased.

Four Coleoptera and fifteen Lepidoptera, including *Soritia risa*, *Phyllodes floralis*, &c., from Mount Dulit, Borneo, collected by Mr. C. Hose; purchased.

Eighty-nine Moths, from Trevandrum, Travancore; also the type of *Syntomis unifascia*, from Sikkim; presented by G. F. Hampson, Esq.

Nineteen Lepidoptera, chiefly Geometræ, from the Khasia Hills; presented by Colonel Charles Swinhoe, M.A.

A selected series of forty Moths, from Ceylon, including the types of *Gunda variegata*, *Lælia cardinalis*, *Dabarita viridistigma*, *Oligostigma niveinota*, and other new species; presented by F. Butt, Esq.

A selected series of eighty Moths, from Ceylon, including the types of *Palæopsis diaphanella*, *Hemonia flava*, and other new species; presented by the Hon. F. H. Mackwood.

Ninety-three Lepidoptera, including females of *Ornithoptera brookeana*, *Papilio neptunus*, *P. zanoa*, and other rare species, from various parts of Borneo; purchased.

Eighteen Lepidoptera, twelve Diptera, eleven Orthoptera,

and five other insects from Keeling Island and Sumatra; collected and presented by H. O. Forbes, Esq.

A probably new Papilio, allied to *P. melanthus*, from German New Guinea; purchased.

(From Australia.)

Four hundred Hymenoptera, from Mackay, Queensland; received from G. Turner, Esq.

Seventy-two Hymenoptera and twelve Homoptera, from Australia; presented by W. W. Froggatt, Esq.

A fine example of the rare Hepialid Moth, *Zelotypia stacyi*, from Australia; presented by the Right Hon. Lord Walsingham, F.R.S.

(From the Pacific.)

A pelagic Hemipteron (*Halobates sobrinus*), from the North Pacific; presented by Professor D'Arcy Thompson.

Twenty Rhynchota, including the type of a new genus, and five new species, from Murray Island, etc.; presented by Professor Haddon.

Vermes.—The additions to this class numbered one hundred and thirty-one; the following are of special interest:—

The shell of an egg of *Peripatus* laid in Melbourne, important as proving that this singular animal is, at times, oviparous—a fact which has been strenuously contested; presented by Dr. A. Dendy.

Examples of a new species of *Peripatus* recently discovered in Jamaica; presented by the Institute of Jamaica.

Specimens of *Bipalium kewense*, from the widely-distant localities, Ireland and Tongatabu; presented by W. Carruthers, Esq., F.R.S., and R. B. Leefe, Esq.

Specimens of *Microchæta belli*, from Cape Colony, and *M. papillata*, from Natal; presented by H. A. Spencer, Esq.

The types, or co-types, of the following species described by Dr. Benham:—*Plutellus perrieri*, from Charlotte Island; purchased; *Plagiochæta punctata*, from New Zealand, and *Sparganophilus tamesis*, from Goring-on-Thames; presented by Dr. Benham.

Five specimens of *Echinorhynchus porrigens* from the stomach of an Australian Baleen Whale; presented by Professor Anderson Stuart.

Three specimens of *Syngamus trachealis*, from the trachea of *Corvus caryocatactes*; presented by Dr. Günther, F.R.S.

Echinoderms.—To this class one thousand and thirty-four specimens have been added; the following are most worthy of mention:—

Seven examples of *Pontaster tenuispinis*, from various localities; presented by Professor Lovén.

Seventy-

Seventy-four Echinoderms, chiefly from deep water off the south-west of Ireland; presented by the Royal Irish Academy.

Forty-two specimens, including *Cucumaria hyndmanni*, *Holothuria intestinalis* and *Astronyx loveni*, from the west coast of Scotland; presented by Dr. John Murray, v.p.r.s.e.

An interesting example of the variable *Strongylocentrotus drobachiensis*, from Havösund, and a specimen of *Stichopus natans* from Trondjhemfjord; presented by Professor Herdman, f.r.s.

Two examples of the Pentacrinoid stage of *Antedon eschrichti*; presented by Professor D'Arcy Thompson.

Seventeen specimens, including *Antedon emendatrix*, *Stichopus variegatus*, and *Clypeaster reticulatus*, from Mauritius; purchased.

Six examples of *Pentaceros reticulatus;* presented by the Institute of Jamaica.

Sixty-nine Ophiuroids, and thirty-five Echinoids, from deep water in the West Indies; presented by Professor Alexander Agassiz.

Seven examples of Crinoids, from the Sahul Bank, including *Metacrinus interruptus* and *Antedon woodmasoni*; received from the Indian Museum, Calcutta.

Thirty-four examples of Holothurians, from the Great Barrier Reef, mostly of edible species, and labelled with their popular names; presented by W. Saville Kent, Esq.

Sponges.—One hundred and fifty-one specimens of this class were added to the collection. None are of sufficient importance to claim special notice.

Anthozoa.—To this class eight hundred and twenty-seven additions were made. In addition to those already mentioned, the following are the most important:—

A very fine example of *Paragorgia arborea*; received in exchange from the Bergen Museum.

Typical examples of *Epizoanthus incrustatus, var. barleei* and *E. macintoshi*, from Shetland; presented by the Rev. Canon Norman, d.c.l., f.r.s., and Professor McIntosh, f.r.s.

Examples of *Antipathes abies, Muricella perramosa*, and other species from Mauritius; purchased.

Five Gorgonids from Port Elizabeth, including *Muritella fucosa* and *Lophogorgia palma*; presented by J. H. Ponsonby, Esq.

Thirty-three specimens of Corals from the Persian Gulf; collected and presented by Surgeon Major A. S. G. Jayakar.

Thirty-two specimens of Madrepora, including *M. ceylonica* and *M. elegantula*, from Ceylon; collected by Professor Haeckel.

A remarkable example of *Fungia* from Ceylon; presented by J. H. Morgan, Esq.

Seven fine Gorgonids (*Ctenocella pectinata* and *Gorgonia australiensis*), from North Queensland; presented by Captain Hansard.

VIII.—*Visitors and Students.*

The number of visits from persons who have consulted portions of the collection, or who have required attendance or assistance, was ten thousand nine hundred and thirty-two, as compared with :—

9,443	in the year	1891
9,034	„	1890
8,360	„	1889
8,797	„	1888
8,955	„	1887
8,372	„	1886
8,313	„	1885
6,818	„	1884
5,229	„	1883
2,530	„	1873

Albert Günther.

Department of Geology.

I.—*Arrangement.*

A.—Vertebrata.

Fossil Mammalia (Gallery No. 1).—The fine series of skulls and mandibles of Indian fossil *Hippopotami*, chiefly from the Older Pliocene of the Siwalik Hills, have all been mounted upon stands and arranged in Pier-case No. 12.

The remains of British Mammoth (*Elephas primigenius*), in Pier-case No. 32, have been removed, the case cleaned and painted, the specimens mounted on stands and entirely re-arranged.

The limb-bones of the Siberian Mammoth, in Pier-case No. 31, have all been mounted upon stands.

Gallery No. 2.—The limb-bones of *Diprotodon australis*, Wall-case No. 27, have been mounted on stands and re-arranged.

An extensive collection of Mammalian remains from Malta Caves, sent home by Mr. J. H. Cooke, F.G.S., has been examined and determined, and a selection of 206 specimens made for the Museum, comprising *Hippopotamus*, *Elephas*, *Ursus*, *Canis*, *Cervus*, &c.

Numerous

Numerous recent acquisitions of fossil Mammalia have been mounted, labelled, and incorporated in the various cases to which they belong.

Mammalian remains, &c., registered, 663.

Aves (Gallery No. 2).—Case R, appropriated to the skeleton of *Dinornis giganteus*, has been entirely refitted, to exclude the dust, and to be uniform with the other cases in the Gallery; the interior has been distempered, the specimen restored and remounted.

The plaster cast of the leg of *Brontornis Burmeisteri*, Moreno, from South America, has been mounted on a stand and placed in Wall-case No. 25.

The Fossil Bird-remains in Table-case No. 13 are being all re-tableted and labelled in accordance with Mr. Lydekker's published Catalogue.

Avian remains registered, 51.

Reptilia (Gallery No. 4).—Wall-cases 3 and 4 (Dinosauria) have been partially re-arranged, so as to accommodate the huge pelvis of *Ornithopsis Leedsii*, a series of large Dinosaurian vertebræ, and the remains of *Omosaurus durobrivensis*, Hulke.

Wall-cases 9 and 10, containing the South African Reptilia, and the *Pliosauria*, have been refitted, and the specimens completely re-arranged, mounted and labelled. Several important acquisitions from the Leeds collection have been added.

The skeleton of *Pariasaurus Bainii* (Seeley), from the "Karoo" (Trias) formation of South Africa, which has been entirely developed and reconstructed by the masons attached to the Department, is mounted upon a stand and placed in a special glazed case at the west end of Gallery 4.

Fossil Chelonia (Gallery No. 5).—The remains of two fossil Tortoises from Madagascar, referred to *Testudo Grandidieri*, have been reconstructed and placed for exhibition in two central glazed cases in Gallery No. 5.

Wall-cases Nos. 11 and 12 are being re-arranged in accordance with Mr. Lydekker's Catalogue; the larger objects have been mounted on stands and additional shelves introduced so as to accommodate the contents of the two Table-cases displaced to make way for the large Madagascar fossil carapaces.

The reconstructed carapace of *Colossochelys gigas* has been remounted upon four bronzed-iron standards in place of the oak pedestal on which it was formerly mounted.

Reptilian remains registered, 283.

Fossil Fishes (Gallery No. 6).—Numerous large specimens and slabs of fossil fishes have been framed and fixed on the wall of the Gallery or provided with places in the Wall-cases.

Many recent acquisitions (including those from the Beckles, Leeds, and Weston Collections) have been tableted, mounted, labelled, and incorporated in the various Table-cases in this Gallery.

The nomenclature of all the specimens in Wall-cases 9 and 14 has been revised preparatory to their re-arrangement.

Fossil Fishes registered, 764.

B.—Invertebrata.

Mollusca.—Cephalopoda (Gallery No. 7).—(*a*) *Nautiloidea.*—One hundred and ninety-six specimens of *Cyrtoceras*, etc., have been mounted and added to Wall-case No. 7. The unmounted specimens have been labelled and placed in drawers under Table-case No. 71.

Four specimens of *Lituites*, twenty-five of *Ophidoceras*, seventy-five *Trochoceras*, twenty-two *Trocholites*, and fifty-eight *Gyroceras* have been mounted on tablets and arranged in Table-case No. 71; the remainder, viz., five *Gyroceras* and two *Nautili*, have been mounted upon blocks and added to Wall-cases Nos. 13 and 2. The unmounted specimens of the above have all been labelled and arranged in drawers beneath Table-cases.

(*b*) *Ammonoidea.*—Four Lias *Ammonites* have been mounted on blocks, labelled, and placed in Wall-case No. 12. One hundred and seventy Neocomian *Ammonites* have been named and mounted upon tablets and arranged in Table-case No. 67. The unmounted foreign Cretaceous Ammonites have been labelled and arranged in ten drawers beneath Table-case No. 61.

Sixty specimens of British Lower Greensand Ammonites have been mounted upon tablets and arranged in Table-case No. 66; the unmounted specimens have been labelled and arranged in drawers beneath. Twenty-six *Crioceras* from the Speeton Clay, and Lower Greensand, have been mounted upon tablets and placed in Table-case No. 63; the unmounted specimens occupy the drawers beneath Table-case 61.

Fifty-six *Aniscoceras*, eleven *Macroscaphites*, and seventy-eight *Scaphites*, have been mounted on tablets labelled and arranged in Table-case No. 63; the unmounted specimens being labelled and arranged in drawers beneath.

Three *Hamites* have been named, mounted upon tablets, and added to Table-case No. 59, and six *Turrilites* to Table-case No. 60. The unmounted *Hamites* have been labelled and placed in drawers beneath Table-case No. 62.

A large Chalk Ammonite has been mounted upon a block, labelled, and added to Wall-case No. 4. Eight *Belemnites* and two slabs containing *Belemnites* have been mounted upon tablets, named and labelled, and arranged in Wall-case No. 14.

Cephalopoda

Cephalopoda registered during the past year, 959.

Gasteropoda and *Lamellibranchiata* (Gallery No. 8).—*Foreign Tertiary Mollusca.*—The task of arranging the Paris Basin Tertiary Mollusca has been continued during the past year; 4,062 specimens have been named, labelled, and mounted upon tablets, and in glass-lidded boxes, and placed for exhibition in Wall-cases Nos. 3 and 4. Those specimens not mounted for the cases have been named and placed in drawers beneath the Table-cases in the same Gallery.

Dr. Fritsch's collection of Post-Pliocene Gasteropoda from Bohemia, described and figured by Dr. G. Klika, in Archiv der Naturw. Landes. von Böhmen, vii. Bd. No. 4, Geolog. Abth. Prag. 1891, Woodcuts, pp. 1–122, have been registered and incorporated with the Foreign Tertiary Mollusca.

Gasteropoda and Lamellibranchiata registered, 2,792.

Brachiopoda.—The Brachiopoda from the Silurian and Cambrian rocks of America are being named and arranged in drawers, and a selected series mounted, named and displayed in Wall-cases Nos. 10 and 11.

The slip Catalogue of Foreign Brachiopoda, begun in 1891, has been continued in 1892, and two hundred and ninety-one additional slips written.

Brachiopoda, "Davidson Collection" (Gallery No. 11).—The work of naming, mounting, labelling and arranging this celebrated collection of Brachiopoda, and of verifying the type-specimens, has continued throughout the greater part of the year.

The Collection occupies Table-cases Nos. 13, 14, and 15, and the Drawers thereunder. A slip Catalogue of all the genera and species is in progress.

The number of specimens belonging to the "Davidson Collection" registered during the past year was 4,246.

The total number of Brachiopoda registered in 1892 was 5,133.

Bryozoa, Table-case No. 84 (Gallery No. 8).—Several additional specimens have been figured and added to this Table-case, and fifty-seven larger specimens of Foreign Bryozoa have been mounted, labelled, and arranged in Wall-case No. 12 in this Gallery.

Bryozoa registered during the past year, 218.

Insecta (Wall-case No. 12).—The foreign Carboniferous, Oolitic, and Tertiary Fossil Insects have all been carefully selected, mounted on tablets, named, and labelled; the unexhibited series are labelled and arranged in drawers under Table-case No. 84.

Number of fossil Insects mounted and exhibited in Wall-case No. 12, 393. Number arranged in drawers, 886.

Crustacea.—Two hundred and sixty-three specimens of Foreign *Cirripedia* have been named and mounted and arranged in Wall-case No. 12. Two hundred and thirty-seven other Cirripedes have been labelled and arranged in drawers. Forty-four specimens of *Estheriæ*, from various foreign localities, have been mounted, labelled, and arranged in the same case. One hundred and ninety specimens of Decapod-Crustacea, from foreign Tertiary deposits, have been named and mounted upon tablets and arranged in Wall-case 12; and one hundred and forty other specimens have been labelled and arranged in drawers under the adjoining table-cases.

Trilobita.—Seven hundred and five British Silurian Trilobites have been named, mounted upon tablets, and arranged in Table-case No. 80, and one thousand one hundred and forty-nine specimens have been labelled and arranged in eighteen drawers under the same Table-case.

One hundred and ninety-one British Cambrian Trilobites have been named, mounted, labelled and arranged in a half table-case in centre of Gallery No. 8; and three hundred and fifty-one specimens, not exhibited, have been labelled and arranged in drawers under Table-case No. 79.

Insecta and *Crustacea* registered during the year, 1478.

Annelida (Table-case No. 79).—Some additional specimens of Cretaceous *Annelida* have been labelled, mounted and arranged in this case.

Annelida registered during the year, 191.

Echinodermata.—Asteroidea, &c. (Half Table-case in centre of Gallery 8.)—The beautiful series of 91 Devonian Star-fishes, from Bundenbach, Germany (many of which have been figured and described by B. Stürtz, in the "Palaeontographica," Vol. xxxvi., 1890), have been mounted and exhibited in this case.

Crinoidea (Table-case No. 73, and Wall-cases Nos. 17 and 18, Gallery No. 8).—Some of the Fossil Crinoidea have undergone re-arrangement necessitated by the advance of knowledge of this very difficult group. A few additions, such as the slab of *Dadocrinus Kunischii*, from the Trias of Germany; and a set of casts of Type-specimens which have been made, coloured, mounted, and added to the exhibited series.

Echinodermata registered during the year, 287.

Actinozoa (Corals) Gallery No. 10.—A fine Carboniferous Limestone Coral, *Campophyllum Murchisoni*, from Weston-super-Mare, has been mounted and framed, and fixed on the wall

wall between Wall-cases 3 and 4, and a section of same, to show its minute internal structure, has been prepared and mounted on glass, and added to Table-case No. 5, with several other examples of the same coral.

Actinozoa registered 102.

Protozoa (Gallery No. 10).—The most interesting addition to this group is a collection of Cretaceous Foraminifera, from the phosphatic chalk of Taplow.

Protozoa registered during the year, 172.

C.—Plantæ.

Fossil Plants (Gallery No. 10).—The fine series of Fossil Plant-remains, obtained by purchase from Mr. Rufford, from the Wealden of Sussex, have been arranged in Table-cases Nos. 21 and 22, and the larger Cycadean leaves in Wall-case No. 13.

Fossil Plants registered during the year, 232.

Stratigraphical Collection (Gallery No. 11, Wall-cases Nos. 1–5).—These cases will very shortly be completed, 1,104 blocks have been added, and 6,624 copies of labels printed off.

The series of Diagrams to illustrate the stratigraphical succession of the British sedimentary rocks arranged in these cases, are in course of preparation.

Tracks and Markings (Gallery 11).—Twenty tracks and markings have been added to this series.

II.—*Department Library* (*Gallery No.* 9.)

During the year 1892, the various additions made, from time to time, to the Library, and the Map-collection, have been catalogued and stamped, and placed in proper order on the shelves and press-marked.

The additions made in 1892 have been as follows:—

By Donation:		
Maps	9	
Books and Pamphlets	281	
Continuations	109	
		399
By Purchase:		
Maps	42	
Books and Pamphlets	95	
Continuations	133	
		270
Total		669

 III.—*Preparation*

III.—*Preparation of Catalogues.*

Part III. of Mr. A. Smith Woodward's "Catalogue of Fossil Fishes," is being prepared, and considerable progress has been made with the work.

Part III. of the "Catalogue of Fossil Cephalopoda," by Mr. A. H. Foord, is in progress. The portion containing the genera *Bactrites* and *Clymenia* is in type, and the Catalogue of the *Goniatites* is well advanced.

Mr. A. C. Seward's "Catalogue of the Wealden Plants," has been commenced, but only a small proportion of the work has been executed.

A fourth Edition of the "List of Casts of Fossils in the Department of Geology" (8vo. pp. 40), was issued on Sept. 16th, 1892.

A MS. Index to all the registered numbers of specimens of Fossil Reptilia in the Collection has been made, for convenience of reference.

IV.—*Separate Papers and Memoirs published by the Staff, bearing upon the Collection.*

The following papers, prepared by the staff of the Department, relate to specimens forming part of the Geological Collections, and have been published in various scientific journals.

1. *Mammalia.*—On a Mammalian Tooth from the Wealden formation of Hastings (*Plagiaulax Dawsoni*, sp. nov.) (Proc. Zool. Soc. Lond., 1891 [Nov. 17], pp. 585–586, woodcut, figs. 1 and 2).

2. *Pisces.*—Supplementary observations on some Fossil Fishes from the English Lower Oolites (Proc. Geol. Assoc., vol. xii., p. 238).

3. On the Hybodont and Cestraciont Sharks of the Cretaceous Period (Proc. Yorks. Geol. and Polyt. Soc., vol. xii. p. 62, pl. i. and ii.).

4. On the Lower Devonian Fish-fauna of Campbellton, New Brunswick (Geol. Mag. [3], vol. ix., p. 1, pl. i.).

5. Further contributions to knowledge of the Devonian Fish-fauna of Canada (*ibid.* p. 481, pl. xiii.).

6. Description of the Cretaceous Saw-fish, *Sclerorhynchus atavus* (*ibid.* p. 529).

7. On a Chimæroid Skeleton from the Oxford Clay of Wiltshire (Ann. and Mag. Nat. Hist. [6], vol. ix., p. 94).

8. On

8. On some teeth of new Chimæroid Fishes from the Oxford and Kimmeridge Clays of England (*ibid.* vol. x., p. 13, pl. iii.).

9. The Evolution of Fins (Nat. Sci. vol. i., p. 28).

10. Forerunners of the Backboned Animals (*ibid.* p. 596).

11. *Mollusca.*—On the American Palæozoic Gasteropod, *Trematonotus* and its identification in Britain, &c. (Geol. Mag. [3], vol. ix., pp. 339–341, pl. ix., and p. 525).

12. *Brachiopoda.*—On the occurrence of *Chonetes Prattii*, (Davidson) in the Carboniferous Rocks of Western Australia (*ibid.*, pp. 542–544, pl. xiv.).

13. *Echinodermata Echinoidea.*—Further additions to Australian Fossil Echinoidea (Geol. Mag. [3], vol. ix., p. 433, pl. xii.).

14. *Archaeopneustes abruptus.*—A new Genus and Species of Echinoid, from the Oceanic series of Barbados (Quart. Journ. Geol. Soc., vol. xlviii., p. 163, pl. iv.).

15. *Crinoidea.*—The Fossil Crinoidea in the British Museum (1st Annual Report Museums Association, p. 78, June 1892).

16. British Fossil Crinoids—vii. *Mastigocrinus loreus*, gen. nov., sp. nov., Wenlock Limestone, Dudley (Ann. and Mag. Nat. Hist. [6], ix., p. 194).

17. British Fossil Crinoids—viii. *Cyathocrinus, C. acinotubus*, Ang. and *C. vallatus*, sp. nov., Wenlock Limestone (*ibid.*, p. 202).

18. On a Neuropterous Insect from the Lower Lias, Barrow-on-Soar, Leicestershire (Geol. Mag. 1892, pp. 193–198, pl. v.)

V.—*Work of the Mason-Formatore and Assistant Mason.*

Modelling missing bones in skeleton of *Dinornis maximus*, and remounting the same.

Reconstructing broken carapaces of *Testudo Grandidieri* from Madagascar.

Articulating coloured reproduction of skeleton of *Pariasaurus Bainii*, and preparing a series of Casts of Reptilia for the Kimberley Exhibition, to be afterwards placed in the Cape Town Museum.

Completed the permanent mounting of the original fossil skeleton of *Pariasaurus Bainii.*

Reconstructing pelvis of *Ornithopsis Leedsii*, from the Oxford Clay, Peterborough; part of the "Leeds Collection."

Making a series of moulds and casts of Reptilian Fossils, the originals of which had been lent for description and figuring, &c., to be returned to S. Africa.

Transferring restored model of *Colossochelys* from its original wooden pedestal, and refixing it upon iron supports.

Reducing numerous specimens of rocks for Stratigraphical Collection.

Making microscopical sections of Corals, &c.

Cutting, polishing, and developing numerous specimens of Cephalopods.

Cleaning, mending, and reducing numerous specimens of Fossil Mammalia, Reptilia, and Fishes for cases.

Mounting slabs of Fossil Fish and Corals for Exhibition.

Developing Theriodont Reptilian remains from South Africa.

Modelling Rock-work for Eagle's and Buzzard's nests in Zoological Galleries.

VI.—*Printing Labels.*

The substitution of *printed labels*, in lieu of written ones, for the exhibition-cases generally, but especially for the wall-cases, has been steadily carried on during the past year.

450 labels have been composed for the Index Museum, of which 5,018 copies have been struck off.

210 labels for Vertebrata have been composed, and 3,823 copies struck off. 328 labels have been composed for the Mollusca and Cephalopoda, and 10,100 copies struck off.

122 labels for the Bryozoa have been composed, and 1,092 copies printed off.

97 Crinoidea—and "Silurian Fossils from Gotland"—labels, have been composed, and 5,077 copies have been printed off.

123 labels for Fossil Insecta have been composed, and 1,476 copies struck off.

For Mr. Etheridge's stratigraphical series, 1,104 labels have been composed, and 6,624 copies struck off.

The saving of time and labour which is effected by the use of one small printing-press, cannot be too highly commended to the attention of Museum Curators.

VII.—*Acquisitions.* 1.—*By Donation.* A.—VERTEBRATA.

1. *Mammalia.*—Remains of *Elephas meridionalis*, from a fissure in the Chalk, Dewlish, Dorset, and four Photographs of the fissure; presented by J. C. Mansel-Pleydell, Esq., F.L.S., F.G.S.

A series of bones and teeth of man, dog, fox, badger, wild-cat, ox, horse, birds, &c., from the Heathery Burn Cave, Durham; presented by the Rev. Canon Greenwell, D.C.L., F.R.S.

A cannon-bone of Horse, from the Thames Gravel at Green-St.-Green, Kent; presented by Sir John Lubbock, Bart., F.R.S. (Trustee British Museum).

A series

A series of detached bones and scutes of *Glyptodon* from the Pampas formation, Rosario, Argentine Republic, South America; presented by A. Dick Cunyngham, Esq.

A cast of the Skull of *Nesodon imbricatus*, Owen, and casts of the fore and hind foot of *Scelidotherium*; presented by Sr. Dn. Dr. F. P. Moreno.

A tooth of *Equus*, from the Pleistocene, San Diego, Texas; presented by William Taylor, Esq.

Tooth of *Hyopotamus velaunus*, Cuvier, specimen from the Lower Eocene, Hempstead, Isle of Wight; presented by C. W. Andrews, Esq., B.Sc.

2. *Aves.*—Forty bones of Dodo (*Didus ineptus*, Linn.) from the Isle of Mauritius; presented by His Excellency, Sir Charles Cameron Lees, K.C.M.G., the Governor of the Mauritius.

Two specimens of stalagmitic breccia, containing bird-bones, &c., from the floor of the Grotto di Polifemo near Trapani, Sicily; presented by Samuel Butler, Esq.

3. *Reptilia.*—Remains of *Procolophon trigoniceps*, Owen, from the Karoo Formation, Orange Free State, South Africa (figured and described by Professor Seeley in Phil. Trans. Royal Soc., 1889, B. pp. 269–277, pl. ix., figs. 7–9); presented by Hugh Exton, Esq., M.D., F.G.S.

Remains of *Endothiodon bathystoma*, Owen, from the Karoo Formation, Oude Kloof, Nieuwveldt Mountains (figured and described by Professor Seeley in Quart. Journ. Geol. Soc., vol. xlviii. pp. 476–480, figs. 1–3, 1892).

Portion of trunk of *Eunotosaurus africanus*, Seeley, from the same formation, Velte Verden, near Beaufort West, Cape Colony (figured and described, op. cit., pp. 583–585, figs. 1, 2, 1892).

The nearly complete skeleton of *Pariasaurus Bainii*, Seeley, from the same formation, Bad, near Tamboer Fontein, Cape Colony; also portions of the skeletons of *Pariasaurus bombidens*, Owen, and *Pariasaurus Russouwi*, Seeley, from the same formation (figured and described by Professor Seeley, in Phil. Trans., 1892, B. p. 333, &c., plates.)

Collected by Professor Seeley, F.R.S., with the assistance of the Government Grants Committee of the Royal Society, by whom they are presented.

4. *Pisces.*—Fin of an undetermined Fish from the Lower Coal-Measures of West Yorkshire; presented by Professor W. C. Williamson, LL.D., F.R.S.

Two Fossil Fishes, from the Tertiary Beds of Layang, Eastern Shantung, China; presented by H. M. Beecher, Esq., F.G.S.

About 150 teeth of Selachian Fishes, comprising the genera *Odontaspis*, *Oxyrhina*, *Carcharodon*, *Carcharias*, and

Hemipristis, from the Newer Tertiary, Bissex Hill, Barbados; presented by Colonel H. W. Feilden, F.G.S.

A Jaw of *Lepidotus*, described in Quart. Journ. Geol. Soc. vol. xlv. (1889), p. 357, No. iii.; also a Tooth of *Lepidotus* showing successor, in section (figured *ibid.*, pl. xv., fig. 3.) Both specimens from the Kimmeridge Clay, Shotover near Oxford; presented by Henry Willett, Esq., F.G.S.

A specimen of *Thyestes verrucosus*, Eichw., from the Upper Silurian, Rootsikulle, Isle of Oesel, one of *Palæoniscinotus irkutskensis*, Rohon, from the Jurassic of Ust Balei, Irkutsk, Siberia, and one *Lycoptera Middendorfi*, Agass., from the Lower Tertiary, River Turga, Siberia; presented by Dr. Friedrich Schmidt.

Two pieces of Upper Silurian Limestone, with Fish-scales and portions of Fish-spines from the Island of Oesel; presented by Dr. August Mickwitz.

Remains of *Bothriolepis*, *Homosteus*, and *Sycidium melo*, from the Old Red Sandstone, River Sjass, Government of St. Petersburg, Russia; presented by Dr. E. Zickendrath.

Three Selachian Teeth, from the Carboniferous Limestone of Mjatschkowa, Government of Moscow, Russia; presented by Professor A. Pavlow.

Dorsal and ventral shield of *Pteraspis Crouchii* (Salter), from the Old Red Sandstone of Kentchurch, Herefordshire; presented by the Rev. M. G. Watkins, M.A.

Fourteen Selachian Teeth, including *Notidanus* and *Odontaspis*, from the Miocene, near Bordeaux, also teeth of *Odontaspis* and *Carchariidæ*, and one Otolite from the Eocene, Alabama; presented by George F. Harris, Esq., F.G.S.

Three microscopic slides of Conodonts from the Glauconite Sand, Koporje, Government of St. Petersburg, Russia; presented by Dr. G. J. Hinde, V.P.G.S.

B.—Invertebrata.

(*a*) *Mollusca*.—Four hundred and forty-two specimens of Lamellibranchiata, and six hundred and four Gasteropoda, from the Pleistocene Reefs at Bishopscourt, Barbados; presented by the Right Rev. John (Bishop) Mitchinson, D.C.L., LL.D.

A series of Post-Pliocene Mollusca (viz., one hundred and seventy-two Gasteropoda and sixty-six Lamellibranchiata), part of the collection of the late J. Pickering, Esq., from the Grays and Kennet Valley Deposits; presented by the Council of the Geologists' Association.

Specimens of *Gryphæa dilatata*; *Lima pectiniformis* and *Goniomya V-scripta*, from the Coralline Oolite of Brora, Sutherlandshire; presented by Lieutenant Colonel R. F. Frere, R.E.

A slab

A slab containing *Turritellæ*, &c., from the Jurassic formation of Potosi, Bolivia; presented by T. Oliver Moore, Esq.

A group of *Ostrea gregaria*, Coralline Oolite, and forty-four Lamellibranchiata from the Cretaceous, Oolite and Lias of England and France, part of the collection of the late W. F. Jennings, Esq., Highworth, Wilts; presented by Miss Ethel A. Thomas.

Ten Tertiary Shells, *Ostrea*, *Pecten*, *Chione*, &c., from Parana, also 5 *Ampullariæ*, and 1 *Achatina* from the banks of the Rio Paraguay, Brazil, South America; presented by Dr. J. W. Evans, F.G.S.

Sixteen Gasteropoda from the Pliocene of South Florida, and 14 from the Miocene of North Carolina; presented by Joseph Wilcox, Esq.

Four Gasteropods from the Trias and Permian of the Eastern Alps; presented by Miss Brocklehurst.

Five Cephalopods and sixteen Lamellibranchs, from the Jurassic of Sutherlandshire, and one *Physa*, from the Eocene of India; presented by A. Smith Woodward, Esq., F.G.S.

A specimen of Shell-marble, from La Lue, in New Mexico; presented by O. H. Howarth, Esq.

A natural cast of *Pecten*, from the White Limestone of Jamaica (probably Miocene); presented by T. D. A. Cockerell, Esq.

A specimen of *Natica Dumbeli*, Laramie Group, Webb County, Texas; also 1 *Exogyra*, Cretaceous, Mesa, near Lampasas, New Mexico; presented by W. Taylor, Esq.

Two pieces of Tertiary Limestone, with *Pecten*, from El Arish, Egypt; presented by F. L. Griffith, Esq.

Seven Lamellibranch shells, from the Miocene, Santiago de Cuba, West Indies; presented by W. Churchill, Esq.

Thirty-eight specimens of Mollusca, &c., from the Chalk, Eastbourne; presented by Thomas Jesson, Esq., B.A.

A specimen of *Conularia Homfrayi*, Salter, Llandeilo Rocks, South Wales; presented by J. B. Morgan, Esq.

Four pieces of Shale, with impressions of *Ammonites*, and one piece, with impression of *Inoceramus*, from Sta. Rosa, Santa Fé de Bogota, South America; presented by J. C. Jones, Esq.

Fourteen specimens of Pleistocene Mollusca, from Malta; presented by J. H. Cooke, Esq., F.G.S.

(*b*) *Molluscoida*.—Two examples of *Terebratula substriata*, var. *Suffieldensis*, Lower Coral Rag, and twelve specimens of *Thecidium ornatum*, Moore, Coral Rag, Suffield, near Scarborough, one *Rhynchonella Bothenhamptonensis*, Upper Lias, and four specimens of *R. serrata*, Lias Marlstone, Bothenhampton, Bridport, Dorset; presented by J. F. Walker, Esq., M.A. F.G.S.

One piece of Cambrian "Unguliten-sandstein," with *Obolus*

and *Schmidtia*, from Taggowal, Esthonia; presented by Dr. August Mickwitz.

Two Brachiopods, from the Jurassic, Sutherlandshire, eight from the Devonian, Givet, France, and two from the Carboniferous of Russia; presented by A. Smith Woodward, Esq., F.G.S.

(*c*) *Insecta and Crustacea.* — Two coloured Casts of *Asaphus megistos*, showing ambulatory appendages, the original in the United States National Museum, Washington; presented by C. D. Walcott, Esq.

Impression of a Neuropterous Insect, named *Palæotermes Ellisii*, H. Woodward, from the Lower Lias, Barrow-on-Soar, Leicestershire (figured and described by H. Woodward in Geol. Mag., Dec. 3, 1892, vol. ix., pp. 193–198, pl. v., figs. 1*a*, *b*); presented by Montagu Browne, Esq., F.G.S.

Two specimens of *Harpactocarcinus tumidus*, H. Woodward, Cretaceo-Tertiary, Waitaki Valley, Dunedin, Otago, New Zealand; presented by H. O. Forbes, Esq., F.R.G.S.

Two small Tertiary Crabs, *Macrophthalmus Latreillei*, Desm. sp., from Kuchavelli, near Trincomali, Ceylon; presented by Lieut.-Colonel Yerberg.

One Dipterous Insect, from the Tertiary Beds of Layang, Eastern Shantung, China; presented by H. M. Beecher, Esq., F.G.S.

(*d*) *Echinodermata.*—Forty-four Echinodermata, from the Miocene and Oligocene of Malta (fifteen figured in Trans. Roy. Soc., Edinburgh, vol. xxxvi., pt. 3, No. 22); presented by J. H. Cooke, Esq., F.G.S.

One Echinoderm from the Pleistocene Reefs of Bishopscourt, Barbados; presented by the Right Rev. John (Bishop) Mitchinson, D.C.L., LL.D.

An abnormal specimen of *Diadema* from Greece; presented by Hilary Skinner, Esq.

Three spines of *Cidaris glandaria*, Lang, from the Cretaceous, Jordan Basin, Palestine; presented by Charles D. E. Fortnum, Esq., D.C.L., F.S.A. (Trustee, British Museum).

Type specimen of *Echinus Ducei*, Wright (figured and described in Ann. Mag. Nat. Hist., ser. 2, vol. xv., pl. iv., figs. 2*a*, *d*, p. 109), from the U. Coralline Limestone, Malta; presented by the Right Hon. The Earl of Ducie, F.R.S., F.G.S.

Thirty Echinoid spines, Cretaceo-Tertiary, Chatham Islands; presented by H. O. Forbes, Esq., F.R.G.S.

(*e*) *Zoophyta.*—Eight Corals from the Pleistocene Reefs of Bishops-court, Barbados; presented by the Right Rev. John (Bishop) Mitchinson, D.C.L., LL.D.

Three specimens of *Zaphrentis*, from the Carboniferous Limestone, near Wirksworth, Derbyshire; presented by H. A. Hammond, Esq.

(*f*) *Protozoa.*—Six hundred and seventy-nine mounted slides

slides of *Eozoon*, one hundred and eighty-eight specimens of *Eozoon*, eighty-seven specimens of Foraminifera, and eighty-two other microscopic slides; presented by Rev. J. Estlin Carpenter, M.A., being the entire collection formed by the late Dr. W. B. Carpenter, C.B., F.R.S.

Twelve specimens of Radiolarian Marls and fifty-five other specimens from Barbados; presented by A. J. Jukes-Browne, Esq., F.G.S.

Six specimens of *Callopegma obconicum*, Hinde, from the Gravel, Bournemouth; presented by Captain G. R. Elwes.

One specimen of *Ventriculites*, from the Chalk, Coulsdon, Surrey; presented by J. Wells Thatcher, Esq.

Two microscopic sections of Inferior Oolite from Cleeve Hill, containing *Girvanella*, and one section of Carboniferous Limestone from Micheldean, Gloucestershire, containing *Micheldeania* sp.; presented by Edward Wethered, Esq., F.G.S.

(*g*) *Tracks.*—A slab of Carboniferous Limestone from Brentry Hill, Henbury, Gloucestershire, exhibiting tracks or galleries of some Annelide or Crustacean; presented by Spencer G. Perceval, Esq.

A slab covered with tracks and markings from the Lower Silurian, North of Douglas, Isle of Man; presented by Rev. G. E. Rogers.

A polished slab of Carboniferous Limestone, showing concretionary structure, from Knowle, near Pen Park Hole, Bristol; presented by Spencer G. Perceval, Esq.

Nine specimens of Gt. Oolite Limestone from the Bath district; presented by Mr. G. Hancock.

Thirty-six rock specimens for the stratigraphical series, from the Bristol area; presented by Edward Wilson, Esq., F.G.S.

A specimen of the "Bored-bed" Freestone of the Inferior Oolite, Pockhill Farm, near Bourton-on-the-Water; presented by Dr. H. Woodward, F.R.S.

Two specimens of conglomerate from the Old Red Sandstone, Auchendoir Quarries, near Gartly, Aberdeenshire; presented by Major R. T. W. Lambert Brickenden, F.G.S.

One hundred and thirty drawings, and one hundred and sixty photographs of *Eozoon*; presented by Rev. J. Estlin Carpenter, M.A.

Three photographs of a fossil Cycad, *Mantellia microphylla*, from the Portland stone of the Isle of Portland, Dorset; presented by George Clifton, Esq.

C.—Plantæ.

Twenty-two Coal Measure Plants, from Clay Cross, Derbyshire, comprising *Neuropteris*, *Sigillaria*, &c., presented by Dr. Pegler.

Six pieces of shale full of impressions of fronds of *Glossop-*

teris Browniana, from the Carboniferous formation, Callen Bullen, New South Wales; presented by W. H. Shrubsole, Esq., F.G.S.

Three Fossil Plants from the Tertiary of Layang, Eastern Shantung, China; presented by H. M. Beecher, Esq., F.G.S.

One *Sphenopteris subgeniculata*, two *Rhacopteris inæquilatera*, and one *Adiantites antiquus*, from the Corboniferous Limestone, Rhyl, North Wales; presented by E. B. Luxmoore, Esq., F.G.S.

Nine small slabs containing fossil leaves, from the Tertiary Formation of Potosi, Bolivia; presented by T. Oliver Moore, Esq.

Six fossil ferns from the Carboniferous Limestone of Gwannyscar, Rhyl, North Wales; presented by E. B. Luxmoore, Esq., F.G.S.

Two Fossil Plants from the Old Red Sandstone, Auchendoir Quarries, near Gartly, Aberdeenshire; presented by Major R. T. W. Lambert Brickenden. F.G.S.

2.—*By Purchase.* A. VERTEBRATA.

1. *Mammalia.*—A fine rostral bone of Ziphioid whale from the Suffolk Crag.

Two teeth of *Elephas Columbi*, from Mexico.

A series of mammalian remains from the Eocene of Caylux, France.

A collection of six hundred Mammalian remains from the Torbryan Caves, near Torquay, comprising man, lion, hyæna, bear, wolf, fox, badger, dog, wild cat, rhinoceros, hippopotamus, elephant, wild boar, &c.

Fossil remains of *Glyptodon* and *Megatherium*, from Rosario, South America.

2. *Reptilia.*—A series of bones of *Iguanodon Fittoni*, from the Wealden formation, Hollington Quarry, St. Leonards.

Seven bones of *Ornithopsis*, and ten of *Omosaurus*. A femur of *Camptosaurus*, three Pterodactyle bones, a mandible of *Suchodus*, and twenty-six coprolites from the Oxford Clay near Peterborough.

A collection of Chelonian remains, comprising two complete and one imperfect carapace of *Testudo Grandidieri*, from South West Madagascar.

A series of twelve Reptilian remains from the Wealden of Hastings.

Fourteen specimens of remains of *Plesiosaurus* from the Portland beds, Isle of Portland, and six other reptilian remains from the South Joggins Coalfield, Nova Scotia.

Remains of *Plesiosaurus*, scapula, clavicle and interclavicle (unique), showing sutural union; ten vertebræ; shoulder-girdle of *Muræosaurus beloclis*, Seeley (type-specimen.) Figured

Figured and described in Proc. Roy. Soc. 1892., p. 143, fig. 10, from the Oxford Clay, near Peterborough.

3. *Pisces.*—Sixty specimens of *Steganodictyum cornubicum* (*Scaphaspis cornubicus*), &c., from the Devonian, Polperro, Cornwall.

Four hundred and fifty fish-remains from the Coal-measures, Collyhurst Pit, Manchester, comprising species of *Helodus, Pleurodus, Diplodus, Rhizodopsis, Megalichthys, Strepsodus, Elonichthys, Platysomus, Cheirodus,* &c. Also a specimen of *Rhadinichthys Planti* (type), described by Dr. R. H. Traquair.

Two hundred and thirty-nine specimens of *Asteracanthus,* consisting of teeth, spines, and other associated remains. One hundred and eighty bones of *Leedsia,* seventeen chimæroid teeth, and thirty remains of other fishes, including *Hybodus, Pachycormus, Hypsocormus* and *Lepidotus,* from the Oxford Clay, near Peterborough.

A series of Devonian Fishes from Scaumenac Bay and Dalhousie, Canada, comprising specimens of *Bothriolepis canadensis, Acanthodes* sp., *Coccosteus* sp., *Cheiracanthus, Cheirolepis, Diplacanthus, Eusthenopteron, Phaneropleuron,* &c., numbering ninety-two specimens.

Sixteen Fish-remains from the Old Red Sandstone of Herefordshire, viz., *Cephalaspis,* sp.; also spines of a new and undescribed fish. Six specimens of Fish-remains from the Coal-measures of the South Joggins Coalfield of Nova Scotia; also a fish-palate from the Kimmeridge Clay, and twenty-six Fish-remains from the Kimmeridgian, the Oxfordian and the Purbeck beds of the South-East of England.

Two specimens of *Lepidotus;* and a series of other remains, comprising heads, bones, plates, scales, &c., of the same fish. A specimen of *Asteracanthus ornatissimus,* exhibiting complete cartilages of both jaws, and the dentition of the respective jaws accurately determined, and comprising one hundred and thirty teeth and two dorsal spines. Eighty-four teeth of *Asteracanthus;* jaws of *Pachymylus Leedsii,* and other fish-plates and bones, all from the Oxford Clay, in the neighbourhood of Peterborough.

B.—Invertebrata.

(*a*) *Mollusca.*—Twelve Mollusca, comprising *Lima, Amberlya, Pleurotomaria, Cucullæa,* &c., from the Inferior Oolite, near Yeovil.

One cast of *Caprina adversa,* from the Devonian of France.

A collection of three hundred and one Newer Tertiary Land and Fresh-water shells from Bohemia, representing ninety-one species, described by Dr. Klika.

One hundred and sixteen Cephalopoda, one hundred and thirty-nine Gasteropoda, and one hundred and eighteen Lamellibranchiata, from the Inferior Oolite of Yeovil.

A collection of two hundred and five rare Eocene Tertiary Mollusca from Bournemouth, Hamstead, Isle of Wight, High Cliff, Barton, and Bracklesham.

A series of eight hundred and eighty-one Tertiary shells from the Paris Basin, named by M. Cossmann.

Eighty-nine specimens of Eocene, Danien and Cenomanien fossil shells of the genera *Ostrea, Plicatula, Chalmasia, Odostomia, Vola, Modiola, Trigonia,* &c., from the North of Africa.

Two *Ammonites* from the Oxford Clay, and two from the Kimmeridge Clay, two *Nautili* from the Lias of Lyme Regis.

One hundred and forty-two Mollusca from the Tourtia, or Upper Greensand, of Tournay, Belgium.

Fifty-one fossil shells from the Lower Tertiary of Faversham and Herne Bay.

A block of Lower Headon Limestone from Howe Ledge, Isle of Wight, full of *Limnæa longiscata* and *Planorbis.*

A collection of fossils from the Oxford Clay of St. Ives, consisting of Cephalopoda, Gasteropoda, Lamellibranchiata, &c.

(*b*) *Molluscoida.*—Twenty-six specimens of Eocene Polyzoa, from the London Clay.

Twenty-eight specimens of Brachiopoda from the Inferior Oolite, Yeovil, Somersetshire.

A series of about twenty specimens of Brachiopoda from the Oxford Clay, near Peterborough.

Eighty-nine specimens of Brachiopoda from the Upper Greensand of Tournay, Belgium.

(*c*) *Crustacea* and *Insecta.*— One cast of *Homalonotus,* from the Devonian of France.

One Macrourous Decapod Crustacean, from the Inferior Oolite of Yeovil.

Eighty-one mounted slides of Ostracoda, containing four hundred specimens, all from the Upper Silurian (figured and described in the Ann. and Mag. Nat. History, 1886–87.)

One specimen of *Eurypterus,* from the Coal-measures of the Forest of Dean.

An Insect's wing from the Coal-measures of Radstock.

Sixty-five Crustacea from the Oxford Clay of St. Ives.

Fifty-nine undescribed Insect-remains from the English Tertiary formations.

Five Oolitic Crustacea, from the Portland, the Kimmeridge, and the Coral-Rag of Dorset.

(*d*) *Echinodermata.*—A slab covered with heads of *Dadocrinus Kunischii,* from the Muschelkalk of Silesia.

A series of Secondary and Tertiary Echinoderms, comprising fifty-seven specimens from Algeria and Tunisia.

Thirteen specimens of Echinodermata from the Upper Greensand of Tournay, Belgium.

Two

Two Echinoderms from the Lower Tertiary of Faversham.

(*e*) *Zoophyta.*—Two specimens of *Amplexus* from the Carboniferous Limestone, near Weston-super-Mare.

Four sections of Carboniferous Limestone Fossils.

(*f*) *Protozoa.*—Two thousand mounted slides of Foraminifera from the collection of the late Professor W. K. Parker, F.R.S.

Thirty-six mounted slides of Foraminifera (figured in the Journ. Roy. Mic. Soc., June 1892); and four slides (figured in Geol. Mag., February 1892).

Fifty-two slides of Tertiary Foraminifera from the Island of Trinidad, West Indies, and a set of specimens of *Rotularia clymenioides.*

Seventy-seven specimens of Microzoa, from the Upper Chalk of Taplow.

The total number of specimens acquired during the past year has been as follows:—

A. VERTEBRATA:		
By Donation - - - - -	317	
„ Purchase - - - - -	1,764	
„ Exchange - - - - -	8	
	———	2,089
B. INVERTEBRATA:		
By Donation - - - - -	3,116	
„ Purchase - - - - -	6,364	
„ Exchange - - - - -	—	
	———	9,480
C. PLANTÆ:		
By Donation - - - - -	54	
„ Purchase - - - - -	142	
„ Exchange - - - - -	16	
	———	212
TOTAL Acquisitions in 1892 - -		11,781

VIII.—*Exchanges.*

The following exchanges have been sanctioned by the Trustees, namely:—

1. With the National Museum, Washington, U.S.A. A specimen of a Trilobite *Olenellus* from the Lower Cambrian of North America, in exchange for four duplicate specimens of molars of Mammoth.

2. With Mr. W. R. Billings, of Ottawa, Canada. Four specimens of Crinoids from the Ordovician rocks of Ontario, in exchange for five duplicate fossil Cystidea.

3. Princeton University Museum, by Professor Libbey; sixteen species of Tertiary fossil plants from Colorado, new to the collection, for fifteen specimens of Palæozoic fossils.

4. The Imperial Academy of Sciences, St. Petersburg, a very interesting example of a portion of the skin of the mammoth (*Elephas primigenius*), from Irkutsk, Siberia, for five duplicate molar teeth of Proboscidea.

5. With the Directors of the Berlin Museum, a coloured plate of the Solenhofen *Archæopteryx*, and various publications for the Geological Library, in exchange for a plaster-cast of the great London Clay turtle's head (*Eosphargis gigas*.)

6. With the Directors of the Geological Survey Museum and School of Mines, Berlin; seven casts comprising examples of *Rhinoceros megarhinus*, and *R. etruscus*; of *Hippopotamus major*, and *Trogontherium Cuvieri*, from Germany; for seven casts of teeth of *Rhinoceros megarhinus* (figured by Boyd-Dawkins in Nat. Hist. Rev. 1865), from the Pleistocene of Grays, Essex.

IX.—*Duplicate Fossils presented by the Trustees.*

One thousand duplicate fossils, chiefly Invertebrata, from various localities and formations, given to the Schools of the London School Board.

One hundred and fifty-one duplicate fossils, viz.: sixty-one fishes, forty reptiles, and fifty mammals from various localities and formations, presented to the University College of Dundee.

A series of two hundred and ninety-five duplicate specimens of Brachiopoda from the Davidson collection, transferred to the Free Public Museum, Brighton.

X.—*Lectures and Demonstrations.*

Swiney Lectures on Geology:

A course of twelve lectures on "The Great Periods of Geological History," by Professor Henry Alleyne Nicholson, M.D., D.Sc., F.G.S., &c., Regius Professor in the University of Aberdeen, was delivered in the Library of the Geological Department, commencing on the 3rd of October, and concluding on the 27th of that month; they were attended by 2,719 persons, being an average of nearly 227 persons to each lecture.

Dr. Woodward gave demonstrations in the Geological Galleries:—

On March 12th, to the "Natural History Society, Toynbee Hall"; twenty-two members were present.

On

On March 19th, to the "Geologists' Association," Professor Blake, President; forty-five members were present.

On May 4th, to the "Maria Grey Local Research Society;" twenty-one members were present.

On June 11th, to the South Place Natural History Society; twenty-three members were present.

On November 19th, to the Twickenham Literary and Scientific Society; forty-five members were present.

Mr. A. Smith Woodward gave demonstrations:—

On April 2nd, to students from Morley College, Royal Victoria Hall; thirty members were present.

On October 26th, to the Haslemere Scientific Society; forty members were present.

Mr. J. W. Gregory gave a lecture to St. Thomas's Square Literary Society; twenty members were present.

XI.—*Students.*

The number of visits from students and persons who have consulted the collection and the Library for the purpose of scientific work during the past year, and who have received assistance from members of the staff of the Department, was 4,107.

Henry Woodward.

Department of Geology,
20 January 1893.

Department of Mineralogy.

The Staff and its Duties.

The staff of the Mineral Department consists of the Keeper, three Assistants, three Attendants, and two Boy-attendants. The duties are distributed as follows:—

Three Assistants.—To one is assigned most of the scientific and executive work relating to the collection of mineral species, including the preliminary examination of specimens submitted for purchase or exchange, the registration and incorporation of the recently-acquired specimens, the preparation of species-, variety-, and locality-labels, the determination of the physical and geometrical characters of specimens, and the preparation of a descriptive catalogue of the collection.

To a second is assigned similar work relative to the specimens of rocks.

To the third is assigned the chemical analysis of both minerals and rocks.

Though a mineralogist can no longer satisfactorily attempt to keep abreast of scientific knowledge and undertake scien-

tific work in more than one of the above three branches of the subject (physical, petrological and chemical), such a sharp limitation of the work of the assistants would be contrary to the interests of the museum; hence, as far as possible, it is arranged that each assistant has the opportunity of acquiring a general knowledge of the specimens preserved in the department, and of thus becoming of more general service to the public during the absence of his colleagues.

Three Attendants.—One is specially employed in the preparation of thin sections of minerals and rocks for examination with the microscope; a second is charged with the arrangement and cataloguing of the departmental library; the third with the more mechanical work of the chemical laboratory.

The general duties of dusting the cases, packing and unpacking specimens, copying, &c., are also performed by the attendants.

Two Boy-Attendants.—They attend on the superior officers as required, are charged with the sale of the departmental guides, and do a large part of the simpler mechanical work, such as the filling of trays with clean cotton wool, &c.

Mr. Davies.

During the year 1892 the Department has suffered a great loss by the death of Mr. Thomas Davies, who had been on the staff since 1858.

General.

For the continuation of the descriptive Catalogue of the Mineral Collection, the following species have been examined:—Rittingerite, Xanthoconite and Zinckenite.

Specimens of Quartz, Anatase, Hopeite, Meionite, Felspar, Geikielite and other minerals have been crystallographically and optically examined.

A new mineral from Ceylon, which has been named Baddeleyite, has been discovered and described; the identity of Rittingerite and Xanthoconite has been proved.

One hundred specimens have been chemically examined; 14 specific gravity determinations have been made; quantitative analyses have been made of two specimens of Copper Silicate from Egypt, two Pilolites, Augite, Xanthoconite, Rittingerite and Proustite.

The chemical examination of a New Zealand meteorite has been commenced.

The minerals exhibited in Cases 1–10 have been rearranged, crystals remounted and duplicates removed; the species- and locality-labels recently printed have been incorporated;

incorporated; the polished marbles in the wall-case have been re-arranged.

The reserve collections of the following species have been re-arranged in the drawers according to localities, and duplicates have been set apart:—Jasper, Hornstone, Hornblende, Felspar, Apatite, Cassiterite, Barytes, Celestine, Anhydrite, Anglesite, Selenite, Cerussite, the Phosphates and Arsenates from Xenotime to Calco-uranite inclusive, Aragonite, Calcite, Dolomite, Chalybite and Calamine.

Numerous rock specimens belonging to the topographical series have been examined, labelled and re-arranged, and duplicates have been set aside.

Ninety drawers of duplicate rocks have been arranged according to species.

Eighty-eight microscopic sections of rocks and minerals have been prepared, five meteorites have been cut and two etched; four shells for the Index Museum have been cut.

An exchange has been arranged during the year with His Excellency J. de Siemachko.

The 3,003 duplicate mineral specimens mentioned below were examined, labelled and divided into 23 sets for distribution.

Special leave of absence for six weeks was granted to Mr. H. A. Miers for the purpose of visiting and reporting upon the public and private mineral collections of Christiania, Stockholm, Upsala, Helsingfors, St. Petersburg, Moscow and Berlin.

Departmental Library.

To the Departmental Library have been added 310 separate works (in 203 volumes), 196 memoirs and pamphlets, 28 parts of works not yet completed and five maps. Of the above, 56 volumes and five maps were acquired by presentation or transfer; all of them, including 822 plates, have been registered and stamped. The greater part of the Library has been re-arranged and re-press-marked.

Visitors.

The number of visits recorded as made to the Department for purposes of consultation or study is 1,751; of these 1,068 were more especially for purposes of study.

Duplicates.

Three thousand and three duplicate mineral specimens have been labelled and distributed to the following institutions:—

Bedford College, London - - - -	118 Specimens.
Cheltenham Grammar School - - -	130 „

Warwick Museum	186	Specimens.
Portsmouth Museum	147	,,
Queen's College, Cork	178	,,
Liverpool Royal Institution	181	,,
University College School	264	,,
St. Paul's School, Hammersmith	184	,,
Eton College	190	,,
Leeds Philosophical Society	187	,,
Hunt Memorial Museum, Redruth	194	,,
City Museum, Winchester	172	,,
Blundell's School, Tiverton	95	,,
Board Schools, Tamworth	90	,,
Burton-in-Lonsdale Endowed Schools	90	,,
Cann Hall Lane Schools, Leytonstone	90	,,
Ellesmere College, Salop	86	,,
Dowlais Boys' School, South Wales	75	,,
John Addey's Endowed School, Deptford	71	,,
Linthorpe Industrial School, Middlesboro'	63	,,
St. Augustine's Boys' School, Kilburn	71	,,
St. Paul's School, Lisson Grove	70	,,
Seven Sisters School, Stamford Hill	71	,,

Acquisitions.

One thousand and fifty-two specimens have been acquired during the year 1892, namely:—504 minerals, 526 rocks and 22 meteorites. These have been registered, numbered, labelled and incorporated with the collection. The more important of them are named below:—

Minerals.

By Presentation:

Ganomalite; Långban, Wermland, Sweden; by Dr. G. Lindström.

Celestite; Barry, Glamorganshire; by A. James, Esq.

Chalcomenite; Famatina, Argentine Republic; by J. D. Wallace, Esq.

Olivine from an island in the Red Sea; Talc; North America; by Sir Henry Roscoe, M.P., F.R.S.

Samarskite and Corundum; North Carolina; Selenite; St. Mary's County, Maryland; Staurolite; Fannin County, Georgia; Phlogopite; Burgess, Ontario, Canada; Muscovite, Warren County, New York; by J. Willcox, Esq.

Colemanite; San Bernardino County, California; and Bementite; Franklin Furnace, New Jersey; by C. S. Bement, Esq.

Chondrodite; Tilly Foster Mine, Brewster, New York; by E. Schernikow, Esq.

Kaolin;

Kaolin; Blaenau Ffestiniog, North Wales; by T. G. B. Thomas, Esq.

Hæmatite pseudomorphs; Dalton-in-Furness, Lancashire; by W. Boulton, Esq.

Tabasheer; by F. R. Mallet, Esq.

Barytes; Gehlberg, Thuringia; by Dr. R. Scheibe.

Labradorite; Buisbrievki, Kiev, Russia; by M. Miklucho-Maclay.

Dawsonite; Monte Amiata, Tuscany; and Koppite and Dysanalyte; Kaiserstuhl, Baden; by His Excellency J. de Siemachko.

Garnet; Breslau; and Albite; Roc Tourné, Savoie; by Professor C. Klein.

Aurichalcite; Torreon, Chihuahua, Mexico; by H. F. Collins, Esq.

Ilmenite; Kimberley, South Africa; by Professor T. Rupert Jones, F.R.S.

Silver chloride, in artificial crystals; by the late T. Davies, Esq., F.G.S.

Sapphire; Montana, U.S.A.; by G. F. Kunz, Esq.

Chessylite, Malachite and Cuprite; Copper Queen mine, Bisbee, Arizona, U.S.A.: by the Directors of the Copper Queen Consolidated Mining Company.

Geikielite; Ceylon; by J. Baddeley, Esq., and A. Dick, Esq.

Calamine; Holywell, Flintshire; Blende; Matlock; Derbyshire; "Blue Stone"; Pary's Mine, Anglesey; by D. Hack, Esq., J.P.

By Purchase:

Opal; Queensland.

Sapphire, parti-coloured; a facetted stone.

Chrysoberyl, brown; a large facetted stone.

Beryl, a large crystal; Chanteloube, Limoges, France.

Stilbite; Chihuahua, Mexico.

Proustite with Sanguinite; Chañarcillo, Chili.

Sychnodymite; Eisenfeld.

Laurionite, Fiedlerite, Phosgenite, Adamine, Cerussite, Scorodite and Buratite; Laurium, Greece.

Silver, botryoidal; Freiberg, Saxony.

Columbite in very large crystals; Råde, Moss, Norway.

Crystals of Diamond, Xenotime, Anatase and Rutile; from the Diamond Fields, Diamantina, Brazil.

Långbanite, Schefferite; Långban, Wermland, Sweden.

Trimerite; Jakobsberg, Sweden.

Hureaulite, an exceptionally fine specimen; Chanteloube, Limoges, France.

Bastnäsite with Tysonite; El Paso County, Colorado, U.S.A.

Tridymite; Pachuca, Mexico.
Voltaite; Schmöllnitz, Hungary.
Rumpfite; Fassing, Styria.
Arseniosiderite; Romanêche, France.
Colemanite, in very fine specimens; San Bernardino County, California, U.S.A.

Pyrites in brilliant cubes; Central City, Colorado, U.S.A.
Thinolite; Nevada, U.S.A.
Chrysoberyl; Greenwood, Oxford County, Maine, U.S.A.
Manganopectolite; Magnet Cove, Arkansas, U.S.A.

Thenardite in twinned crystals; Borax Lake, California, U.S.A.
Silicified Wood, a portion of a tree stem; Hollbrook, Arizona, U.S.A.
Metacinnabarite; Idria.
Periclase, artificial crystals.
Garnet; a facetted stone.
Ruby; Siam; a facetted stone.
Chalybite; St. Agnes, Cornwall.
Fluor and Apatite; Luxullian, Cornwall.
Johnstrupite, Eudidymie, Rosenbuschite, Hydrargillite, Hiortdahlite and Melanocerite; Langesund, Norway.

Caryopilite, Brandtite, Mangan-idocrase, Rhodonite, Swabite, Tephroite and Crystallised Lead; Harstigen, Pajsberg, Sweden.
Lanthanite in crystals; Bastnäs, Sweden.
Fluocerite; Dalarne, Sweden.
Rittingerite; Joachimsthal, Bohemia.
Fireblende; Andreasberg, Harz.
Xanthoconite; Freiberg, Saxony.
Rowlandite; Llano County, Texas.
Atelestite; Schneeberg, Saxony.
Allingite; Lake of Geneva.
Natrolite in beautiful acicular crystals in Basalt; Schönlinde, Bohemia.
Amber, numerous varieties; Baltic Coast, Prussia.
Rhodicite; Schaitansk, Urals.
Inesite; Dillenburg, Nassau.
Dioptase in very fine crystals; Mindouli, French Congo, Africa.
Acanthite, an exceptionally fine specimen; Freiberg, Saxony.
Tourmaline, a large facetted stone.
Zircon, a facetted pink stone.
Gold; South Carolina.
Cassiterite, a very fine crystal; Brittany.
Bismuth; Cornwall.
Blende; Kapnik, Hungary.
Silver in cubes; Kongsberg, Norway.

Thermonatrite, Euchlorine, Neocyanite, Lithidionite, Aphthitalite and Facellite from Vesuvius.
Fluosiderite; Naples.
Scapolite; Laurinkari, Finland.
Wollastonite; Perheniemi, Finland.
Tantalite; Kimito, Finland.
Alloclase; Orawicza, Hungary.
Durdenite; Tejucigalpa, Honduras.
Indianite; Pelham, Massachusetts, U.S.A.
Porcellophite; Delaware County, Pennsylvania, U.S.A.
Siderophyllite; El Paso County, Colorado, U.S.A.
Mazapilite; Zacatecas, Mexico.
Bertrandite; Nantes.
Calcite; Nieder-Rabenstein, Saxony.
Dawsonite; Algeria.
Marcasite; Aussee.
Offretite; Montbrison, France.
Epsomite in large crystals; Stassfurth, Prussia.
Hauchecornite; Niederhövels, Rhenish Prussia.
Manganocalcite; Guanaxuato, Mexico.
Geikielite; Ceylon.
Gold, crystallised; Yakutsk, East Siberia.
Trona; Owens Lake, California.

Orangite, a very large crystalline mass; Arendal, Norway.
Molybdenite, a very large mass; Flekkefjord, Norway.
Endlichite; Lake Valley, New Mexico.
Serpierite; Camaresa, Greece.
Fluor, Galena, and Blende; Alston, Cumberland.
Witherite with Alstonite; Hexham, Northumberland.

Sulphur in excellent crystals of a rare habit; Girgenti, Sicily.
Rubellite; California.
Cerussite in fine groups; Monte Vecchio, Sardinia.
Meneghinite; Bottino, Tuscany.
Rutile, a fine crystal; Lincoln County, Georgia, U.S.A.
Hæmatite, a large crystal; Elba.

Boleite, in twin crystals of rare habit; Boleo, Lower California.
Reinite; Kimbosan, Kei, Japan.
Hopeite; Altenberg, Aix-la-Chapelle.
Cuprocalcite; Bel Patacon, Chili.
Hydrocerussite; Långban, Sweden.
Leptonematite; Schneeberg, Saxony.
Huantajayite; Huantajaya, Peru.
Pilinite; Striegau, Silesia.
Avalite; Schublja Stena, Servia.
Heliophyllite; Harstigen, Wermland, Sweden.
Jaulingite; Oberdorff, Styria.
Arnimite; Planitz, Zwickau, Saxony.

Of the above the following were new to the Collection :— Allingite, Arnimite, Avalite, Caryopilite, Cuprocalcite, Euchlorine, Facellite, Fluosiderite, Geikielite, Hauchecornite, Hjortdahlite, Hopeite, Huantajayite, Hydrocerussite, Jaulingite, Johnstrupite, Leptonematite, Manganopectolite, Neocyanite, Pilinite, Reinite, Rosenbuschite, Rowlandite, Rumpfite, Swabite, Sychnodomite, Tabasheer, Thermonatrite, Trimerite.

Meteorites.

By Presentation :

Kahangarai, Madras, India; fell 4th June, 1890; weight 122 grams; by the Director of the Geological Survey of India.

By Purchase :

Cañon Diablo, Arizona, U.S.A.; a mass weighing 144½ lbs.

Taney County, Missouri, U.S.A.; fell 1858 (about); weight 2,375 grams.

Juncal, Atacama, Chili; weight 70 grams.

Grand Rapids, Kent County, Michigan, U.S.A.; weight 1,034 grams.

Brenham Township, Kiowa County, Kansas, U.S.A.; weight 507 grams.

Indarh, Choucha, Caucasus; fell 7th April, 1891; weight 8·4 grams.

Charcas, San Luis Potosi, Mexico; weight 294 grams.

By Exchange :

Careoar, New South Wales; weight 338 grams.

Fukutomi, Kishimsagori, Japan; fell 19th March, 1882; weight 4·54 grams.

Oshima, Satsuma, Japan; fell 26th October, 1886; weight 5·83 grams.

Todzie; fell 5th June 1877; weight 1·61 gram.

São Julião de Moreira, Minho, Portugal; weight 9·15 grams.

Tajka, Krasnojarsk, Asiatic Russia; weight 10 grams.

Of the above Meteorites those of which the names are italicised were new to the Collection.

Rocks.

By Presentation :

Miscellaneous Specimens; by the late T. Davies, Esq., F.G.S.

Miscellaneous Specimens from Aden and the Engadine; by D. F. A. Hervey, Esq.

Volcanic

Volcanic Bombs, ejected in 1888 from Vulcano, Lipari Island; by Dr. Johnston-Lavis, F.G.S.

Scoriaceous Leucitophyre, ejected in 1891 from Vesuvius; and Granite, a wind-worn pebble; Reval, Esthonia; by A. Smith Woodward, Esq., F.G.S.

Glaucophane Schist; Strua Valley, Piedmont; by J. W. Gregory, Esq., F.G.S.

A Collection of 35 Specimens chiefly from the Lepontine Alps; by J. Eccles, Esq., F.G.S.

Nine Specimens of volcanic material from Mount Etna, chiefly ejected in 1892; by Signor S. Gioeni.

By Purchase:

Seven specimens collected by Mr. Whymper in the Andes.

Ninety-six specimens from the Island of Pantelleria and the Lipari Islands.

A collection of 58 polished slabs of modern Continental Marbles.

A collection of 93 specimens from Gran Canaria, Canary Islands.

A collection of 211 specimens from Corsica.

12th January 1893. *L. Fletcher.*

Department of Botany.

During the year 29,658 specimens have been named, mounted, and inserted in their places in the Herbarium. These have consisted principally of plants from Europe, by Schultz; from Spain, by Porta and Rigo, and Murray; from Anatolia, by Bornmüller; from Dahuria, by Karo; from India, by King, Schlaginweit, Clarke, and Hooker and Thomson; from the Malay Peninsula, by Ridley and Curtis; from China, by Hance, Pratt, and Henry; from Corea, by Carles; from North Africa, by Barbey; from Egypt, by Du Parquet; from Natal, by Wood; from South Africa, by MacOwan and Bolus; from Madagascar, by Baron; from St. Vincent, by Elliot; from Honduras, by Robertson; from New Grenada, by Triana; from the Amazon region, by Spruce; from the western slopes of the Andes, by Pearce; from the high Andes, by Whymper; from Bolivia, by Bang; from Chili, by Borchers; from Brazil, by Wainio; from Paraguay, by Morong; from Australia, by Baron von Mueller, Lamont and Drummond; from the Antarctic regions, by Sir Joseph D. Hooker; and of numerous specimens from the Herbaria of Wilson, Ravenal and Auerswald.

In the progress of incorporating these additions the following Natural Orders have been more or less completely revised: *Anonaceæ, Malvaceæ, Melastomaceæ, Boragineæ, Gesneraceæ, Myristicaceæ, Palmeæ, Cyperaceæ, Gramineæ Coniferæ, Lycopodiaceæ, Selaginellaceæ* and *Rhizocarpeæ.*

A collection of plants made by Mr. Alex. Whyte on Mount Milanji, a high mountain to the south of Lake Nyassa, has been received and named, and the new species described.

The large collection of sketches and water-colour drawings made, at the expense of Sir Joseph Banks, by Francis Bauer of plants in the Royal Gardens, Kew, has been systematically arranged and mounted to secure their permanent preservation and easy reference.

In the progress of the year's work the officers of the Department have been engaged as follows:—

Mr. E. G. Baker has incorporated the *Polypetalæ* of various collections with the General Herbarium. The most important of these have been the plants from the Malay Peninsula, collected by Ridley; from Australia, by Baron von Mueller; from South America, by Pearce and Morong; from South Africa, by MacOwan and Bolus; from Spain, by Porta and Rigo; and from Dahuria by Kąro. Portions of the Herbarium of Miers, Hance, and Auerswald have also been incorporated.

The Natural Order *Anonaceæ* has been revised, and many additions made to it from plants presented by Dr. King of Calcutta. The *Melastomaceæ* have been partially revised according to the recent monograph of Professor Cogniaux. Several collections of *Polypetalæ* have been incorporated with the British Herbarium, and additions have been made to the collection of British fruits and seeds.

Mr. Baker has determined the *Polypetalæ* of the collection of plants made by Whyte on Mount Milanji in tropical Africa, and has described the new species. He has continued his revision of the *Malvaceæ*, has incorporated many additional specimens, and described several new species.

Mr. James Britten has revised the Natural Order *Boragineæ*, incorporating various collections, and naming the whole in accordance with the most recent revision of the Order; he has incorporated with the Herbarium large additions to the following Orders: *Primulaceæ, Apocyneæ, Asclepiadeæ, Convolvulaceæ, Scrophulariaceæ* and *Myristicaceæ*, besides collections of plants from China, the Cape of Good Hope, &c. He has determined the *Monopetalæ* of the collection from Mount Milanji, and described the new species. He has gone through the collection of prints and drawings of

of Monopetalous plants, and revised the nomenclature, bringing it into harmony with that employed in the Herbarium; and he has superintended the continuation of the catalogue of the Departmental Library.

Mr. A. B. Rendle has revised the following genera: *Lissochilus, Eulophia, Disa, Aristea, Xerophyta, Livistona, Cyperus, Eleocharis, Harpechloa, Melinis, Ephedra, Podocarpus* and *Widdringtonia*, and has incorporated many species belonging to these genera. He has added to the Herbarium large collections of Gymnosperms and Monocotyledons from China and the Malayan Peninsula, Tropical and Southern Africa, and Bolivia and Paraguay.

He has determined the Gymnosperms and Monocotyledons, and with Mr. Baker the *Apetalæ* collected by Whyte on Mount Milanji, and described the new species.

Mr. Rendle has revised and corrected the nomenclature in accordance with that employed in the Herbarium of the large collection of prints and drawings of Apetalous plants; and has arranged the specimens, and prepared the labels illustrating the various forms of the leaves of Dicotyledonous plants in the Hall.

Mr. Antony Gepp has incorporated with the General Herbarium a very complete set of the Indian Mosses collected by Hooker and Thomson which formed part of the collections of Wilson, and in addition more than 7,000 specimens of Mosses, Hepatics and Lichens have been arranged, named and incorporated, including the South American Hepatics of Spruce, the Mosses of Swan River collected by Drummond, and of the Antarctic voyage from Wilson's Herbarium, accompanied with his original drawings and manuscript observations, and the Brazil Lichens of Wainio. A considerable portion of the Hepatics has been revised and determined. Mr. Gepp has arranged and named collections of Mosses from the islands of St. Vincent and Dominica, from Nyassa Land and from Australia, and the fragments of mosses preserved in the post tertiary deposits of Britain.

Mr. George Murray has arranged, named and incorporated with the Herbarium nearly 5,000 Fungi, chiefly *Hymenomycetes* and *Gasteromycetes*. Progress has been made in re-arranging the collection of Algæ according to the recent revision of the group, and nearly 8,000 specimens have been incorporated with the Herbarium, chiefly of the *Chlorophyceæ* of the general collection, but including also a considerable number of additions to the British Herbarium. Collections from Australia and the Cape of Good Hope have been incorporated. The microscopic preparations of Algæ have been examined and re-arranged. The first part of a book of studies

of Algæ by Mr. Murray and students who make use of the collections of the Department has been published.

The principal addition to the Herbarium during the year has been the extensive Herbarium of Mosses, Hepatics and Lichens formed by the late Mr. George Davis of Brighton, and presented by his widow. It contains about 20,000 named and localised specimens, of which 9,000 are Mosses, 6,000 Hepatics, and 5,000 Lichens. The plants are chiefly British, and supply several desiderata to the British collections, besides greatly adding to the representation of the distribution of the species.

The additions to the collections by presentation have consisted of 312 species from India presented by C. B. Clarke, Esq., F.R.S.; 88 species from Swatow, China, by the Rev. P. T. Maclagan; 456 species from Africa by G. Scott Elliot, Esq.; 246 species from Sierra Leone collected by G. Scott Elliot, Esq., of the Boundary Expedition, and presented by the Royal Society; 100 species from the Cape of Good Hope by Messrs. MacOwan and Bolus; 162 species from Australia by Baron von Mueller; 180 species from St. Vincent presented by the West India Committee; 36 species of cultivated orchids from H. Veitch, Esq.; and 32 species from Mr. Moore of Glasnevin Gardens, Dublin; specimens of *Thonningia malagasica* from the Rev. R. Baron of Madagascar; fruits of *Banksia ornata* from Baron von Mueller.

A collection of 199 cellular plants from Professor Farlow; a small collection from Perak from Dr. King; 170 species of Algæ from Australia from Baron von Mueller; 28 species of Californian Algæ from Professor King; 70 species of Algæ from the Cape of Good Hope from W. Tyson, Esq.; and new or critical species of cellular plants from Major Willoughby Verner, Professor E. Perceval Wright, Professor Harvey Gibson, Mrs. Weber van Bosse, Rev. E. S. Marshall, Messrs. H. and J. Groves, E. A. L. Batters, Esq., C. T. Drury, Esq., H. Piggot, Esq., F. Q. Gell, Esq., W. G. Smith, Esq., Miss Woolward and others.

Among the additions to the British Herbarium, by presentation, are the following: 261 species from the Rev. E. S. Marshall; 45 species from the Rev. T. S. Lea; 40 species from A. Bennett, Esq.; 42 named species and varieties of Rubus from Dr. de Crespigny; and interesting species from the Rev. W. R. Linton, R. Lloyd Praeger, Esq., W. Whitwell, Esq., and Captain Wolley Dod. Mr. Clement Reid has presented 23 species of British fruits in continuation of his previous valuable contributions.

The following collections have been acquired by exchange: 111 specimens from North America, from Professor Britton; 273 Indian

273 Indian and Malayan plants, from Dr. King; 32 species of North American Myxomycetes, from Professor MacBride; 100 species of Appalachian Mosses, from Mrs. Britton; and 234 specimens of Characeæ from the Herbarium of Alex. Braun, from the Director of the Roy. Botanical Gardens, Berlin.

The following collections have been acquired by purchase: 300 species of European plants from Dr. Schultz; 478 species from Spain collected by Porta and Rigo; 362 species from Turkey collected by Sintenis; 348 species from Dahuria collected by Karo; 70 species from Syria collected by Dr. Post; 117 species from Natal by J. M. Wood; 195 species from Madagascar collected by the Rev. R. Baron; 510 species from Bolivia collected by Bang; 205 species from Paraguay collected by Morong; 170 species from Western China, being the completion of the collection of Mr. Pratt; 494 Hepaticæ from the Amazon collected by Spruce; 1968 species of cellular plants from different regions from Professor Ralfs; 100 species of Algæ of Europe from Roumeguère and Dupray; 50 species of Italian Algæ from Levi-Morenos; 100 European Algæ from Hauck; 25 species of Characeæ from Migula; 400 species of European Mosses from Sydow; 565 species of Brazilian Lichens from Wainio; 505 microscopic preparations of Fungi, and a large collection of specimens of Indian Fungi made by the late Dr. Barclay; 20 preparations of Fungi by Herpell; 150 species of Uredineæ by Sydow; 100 species of Fungi from Lombardy, from Cavara; 150 species of French Fungi from Tempère; and 200 species of American Fungi from Seymour and Earl.

William Sowerby, Esq., presented a model of *Clathrus cancellatus* made by the elder Sowerby, which has been added to the models in the Exhibition Gallery.

The collection of prints and drawings of plants has been increased by the presentation of 11 illustrations of the species of *Masdevallia* by Miss Woolward; 19 photographs and 17 engravings of *Cycadeæ* by Dr. Maxwell T. Masters; and 8 plates of Hepaticæ by Mr. George Massee; and by the purchase of 21 original drawings of Fungi by J. Bolton of Halifax; and 1,036 original water colour drawings of Fungi by Mr. Massee.

The following works have been presented to the Library of the Department:—

Annals of the R. Botanical Garden, Calcutta, by the Secretary of State for India; Engler's Hochgebirgsflora des tropischen Afrika, by the Author; Von Mueller's Iconography of Australian Salsolaceous Plants, from the Public Library, Victoria; Vasey's Grasses of the South-West, and

Grasses of the Pacific Slopes, by the Secretary of Agriculture, Washington; Holmes' Catalogue of the Hanbury Herbarium in the Museum of the Pharmaceutical Society, by that Society; Post's Plantæ Postianæ Fasc. III. by the Author; Baker's Summary of the New Ferns discovered or described since 1874, by the Author; Dendy and Lucas' Introduction to the Study of Botany, by Messrs. Melville and Slade; Baker's Irideæ, by the Author; Lubbock's A Contribution to our Knowledge of Seedlings, by the Author; Warming's Lagoa Santa, by the Author; and Hisinger's Recherches sur les Tubercles du Ruppia, by the Author.

The number of visitors to the Herbarium for scientific research or inquiry during the year has been 2,585. The collections of British plants have also been studied by large numbers of students.

William Carruthers.

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ACCOUNT "of the INCOME and EXPENDITURE of the BRITISH MUSEUM (SPECIAL TRUST FUNDS) for the Year ending the 31st day of March 1894; and, RETURN of the Number of PERSONS admitted to visit the MUSEUM and the BRITISH MUSEUM (NATURAL HISTORY) in each Year from 1888 to 1893, both Years inclusive; together with a STATEMENT of the PROGRESS made in the ARRANGEMENT and DESCRIPTION of the COLLECTIONS, and an ACCOUNT of OBJECTS added to them in the Year 1893."

Treasury Chambers, 13 August 1894. JOHN T. HIBBERT.

(*Sir John Lubbock.*)

Ordered, by The House of Commons, *to be Printed,* 14 *August* 1894.

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281.

CONTENTS.

Page

I.—ACCOUNT OF THE RECEIPT AND EXPENDITURE OF THE BRIDGEWATER FUND, for the Year ended 31st March 1894 - - - - - - - - - - - - - 4

II.—ACCOUNT OF THE FARNBOROUGH FUND, for the same period - - - - - - - - - - - - - 4

III.—ACCOUNT OF THE SWINEY FUND, for the same period - 6

IV.—ACCOUNT OF THE BIRCH FUND, for the same period - - 6

V.—ACCOUNT OF THE TAPLING BEQUEST, for the same period 8

VI.—ACCOUNT OF THE TURNER BEQUEST, for the same period 8

VII.—RETURN of the Number of PERSONS admitted to visit the BRITISH MUSEUM and the BRITISH MUSEUM (NATURAL HISTORY) in each Year from 1888 to 1893, both Years inclusive - - - - - - - - - - - - - 10

VIII.—STATEMENT of GENERAL PROGRESS at the MUSEUM (Bloomsbury) - - - - - - - - - - - - - 14

IX.—STATEMENT of PROGRESS made in the ARRANGEMENT and DESCRIPTION of the COLLECTIONS, and ACCOUNT of OBJECTS added to them, in the Year 1893 (Bloomsbury) - - - 17

X.—Ditto - - - ditto - - - (Natural History) - - - 94

I.—AN ACCOUNT of the RECEIPTS AND EXPENDITURE of the

		Cash.	Stock, 2¾ °/₀ Consols.
		£. s. d.	£. s. d.
To BALANCES on the 1st April 1893 - - -		161 19 5	13,150 13 10
– DIVIDENDS received on 13,150*l.* 13*s.* 10*d.* Stock in 2¾ per Cent. Consols, bequeathed by the Earl of Bridgewater, viz.:	£. s. d.		
On the 5th April 1893 -	90 8 2		
„ 5th July 1893 -	90 8 3		
„ 5th October 1893 -	90 8 2		
„ 5th January 1894 -	90 8 3		
		361 12 10	
– RENT OF A REAL ESTATE, bequeathed by the Earl of Bridgewater (less charges of collection and repairs) - - -		45 11 6	
	£.	569 3 9	13,150 13 10

II.—AN ACCOUNT of the RECEIPTS AND EXPENDITURE of the

		Cash.	Stock, 2¾ °/₀ Consols.
		£. s. d.	£. s. d.
To BALANCES on the 1st April 1893 - - -		197 6 7	2,879 10 7
– DIVIDENDS received on 2,879*l.* 10*s.* 7*d.* Stock in 2¾ per Cent. Consols, bequeathed by Lord Farnborough, viz.:	£. s. d.		
On the 5th April 1893 -	19 15 11		
„ 5th July 1893 -	19 15 11		
„ 5th October 1893 -	19 15 11		
„ 5th January 1894 -	19 15 11		
		79 3 8	
	£.	276 10 3	2,879 10 7

BRIDGEWATER FUND, from the 1st April 1893 to the 31st March 1894.

	Cash.	Stock, 2¾ °/₀ Consols.
	£. s. d.	£. s. d.
By Payment of one Year's Salary to the Egerton Librarian - - - - - -	210 – –	
– Payment for the Purchase of Manuscripts	268 9 6	
– Balances on the 31st March 1894, carried to Account for 1894-95 - - -	90 14 3	13,150 13 10
£.	569 3 9	13,150 13 10

FARNBOROUGH FUND, from the 1st April 1893 to the 31st March 1894.

	Cash.	Stock, 2¾ °/₀ Consols.
	£. s. d.	£. s. d.
By Payment for the Purchase of Manuscripts	239 3 –	
– Balances on the 31st March 1894, carried to Account for 1894-95 - -	37 7 3	2,879 10 7
£.	276 10 3	2,879 10 7

III.—AN ACCOUNT of the RECEIPTS AND EXPENDITURE of the

				Cash.			Stock, 2¾ °/₀ Consols.		
				£.	s.	d.	£.	s.	d.
To BALANCES on the 1st April 1893 - - -				107	7	–	5,583	1	6
– DIVIDENDS received on 5,583*l.* 1*s.* 6*d.* Stock in 2¾ per Cent. Consols, bequeathed by Dr. George Swiney for Lectures on Geology, viz.:									
On the 5th April 1893 -	£.	38	7	8					
„ 5th July 1893 -		38	7	8					
„ 5th October 1893		38	7	8					
„ 5th January 1894		38	7	8					
					153	10	8		
			£.		260	17	8	5,583	1	6

IV.—AN ACCOUNT of the RECEIPTS AND EXPENDITURE of the

				Cash.			Stock, 2¾°/₀ Consols.		
				£.	s.	d.	£.	s.	d.
To BALANCE on the 1st April 1893 - - -				-		-	565	3	9
– DIVIDENDS received on 565*l.* 3*s.* 9*d.* Stock in 2¾ per Cent. Consols, bequeathed by Dr. Birch in 1766, for the three Under Librarians of the British Museum, viz.:									
On the 5th April 1893 -	£.	3	17	9					
„ 5th July 1893 -		3	17	8					
„ 5th October 1893 -		3	17	9					
„ 5th January 1894		3	17	8					
					15	10	10		
			£.		15	10	10	565	3	9

SWINEY FUND, from the 1st April 1893 to the 31st March 1894.

	Cash.	Stock, 2¾ °/₀ Consols.
	£. s. d.	£. s. d.
By Salary paid to Dr. H. Alleyne Nicholson for Lectures on Geology in 1893 - - -	150 - -	
- Balances on the 31st March 1894, carried to Account for 1894-95 - - -	110 17 8	5,583 1 6
£.	260 17 8	5,583 1 6

BIRCH FUND, from the 1st April 1893 to the 31st March 1894.

	Cash.	Stock, 2¾ °/₀ Consols.
	£. s. d.	£. s. d.
By Legacy paid to the three Under Librarians of the British Museum, whose offices existed in 1766, viz., the Keepers of the Departments of Printed Books, Manuscripts, and Natural History - - -	15 10 10	
- Balance on the 31st March 1894, carried to Account for 1894-95 - - -	- -	565 3 9
£.	15 10 10	565 3 9

V.—AN ACCOUNT of the RECEIPTS and PAYMENTS in connection
1st April 1893 to

		CASH.	STOCK in Local Loans, 3 °/₀.
		£. s. d.	£. s. d.
TO BALANCES on the 1st of April 1894 - -		79 – 2	800 – –
– DIVIDENDS received on Local Loans Stock, viz.:			
On 969*l.* 2*s.* 9*d.* on the 5th April 1893 - - -	£. 7 5 4		
On 800*l.* Stock on the 5th July 1893 - - -	6 – –		
On 800*l.* Stock on the 5th October 1893 - - -	6 – –		
On 800*l.* Stock on the 5th January 1894 - - -	6 – –		
		25 5 4	
– AMOUNT realised by Sale of 100*l.* Local Loans Stock, less Brokerage - - -		104 14 –	
	£.	208 19 6	800 – –

VI.—AN ACCOUNT of the RECEIPTS and PAYMENTS in connection
1st April 1893 to

		CASH.	STOCK in Metropolitan 3 °/₀.
		£. s. d.	£. s. d.
TO BALANCES on the 1st April 1894 - - -		29 1 8	1,939 7 10
– DIVIDENDS received on Metropolitan 3 per cent. Stock, viz.:			
On 1,939*l.* 7*s.* 10*d.* on the 1st May 1893 - - -	£. 14 10 10		
On 1,939*l.* 7*s.* 10*d.* on the 1st August 1893 - - -	14 10 10		
On 1,939*l.* 7*s.* 10*d.* on the 1st November 1893 - -	14 10 10		
On 1,700*l.* on the 1st February 1894 - - - -	12 15 –		
		56 7 6	
– AMOUNT realised by sale of 539*l.* 7*s.* 10*d.* Metropolitan 3 per cent. Stock, less Brokerage, &c. - - - -		573 18 8	
	£.	659 7 10	1,939 7 10

with the BEQUEST of the late Mr. T. K. TAPLING, M.P., from the the 31st March 1894.

	Cash.	Stock in Local Loans, 3 %.
	£. s. d.	£. s. d.
By Payments for mounts, etc., for the collection	– 6 –	
– Payment of one year's Salary to a special Assistant engaged to continue the arrangement and mounting of Mr. Tapling's Collection of Stamps	200 – –	
– Sale of Stock	– –	100 – –
– Balances on the 31st March 1894, carried to Account for 1894–95	8 13 6	700 – –
£.	208 19 6	800 – –

with the BEQUEST of the late Miss E. T. TURNER, from the the 31st March 1894.

	Cash.	Stock in Metropolitan 3 %.
	£. s. d.	£. s. d.
By Amount expended in excavations on the Site of Amathus, in the Island of Cyprus, including travelling and subsistence allowances of an Assistant from the British Museum	531 9 7	
– Sale of Stock	– –	539 7 10
– Balances on the 31st March 1894, carried to Account for 1894-95	127 18 3	1,400 – –
£.	659 7 10	1,939 7 10

E. Maunde Thompson,
Principal Librarian and Secretary.

VII.—NUMBER of PERSONS ADMITTED to VISIT the BRITISH MUSEUM and the BRITISH MUSEUM (NATURAL HISTORY).

A.—PERSONS admitted to View the GENERAL COLLECTIONS in the British Museum in each Year from 1888 to 1893, both Years inclusive.

	1888.	1889.	1890.		1891.		1892.		1893.	
	No.	No.	Day. No.	Evening. No.	Day. No.	Evening. No.	Day. No.	Evening. No.	Day. No.	Evening. No.
JANUARY -	37,472	35,360	35,013	—	33,563	3,237	33,559	2,789	38,872	2,839
FEBRUARY -	33,311	34,622	31,876	15,230	31,369	3,836	32,482	3,964	36,824	3,062
MARCH -	40,136	37,366	32,092	9,535	44,058	3,984	39,484	3,531	38,815	2,915
APRIL -	54,698	52,716	54,141	7,442	42,270	4,012	48,980	3,222	49,104	2,740
MAY - -	46,922	43,509	43,101	6,212	46,449	3,865	37,358	3,006	42,624	3,142
JUNE - -	42,108	53,792	34,318	4,963	35,677	{ galleries closed.	41,516	3,284	37,280	2,736
JULY - -	45,739	46,964	45,036	4,712	45,753	3,246	40,904	2,613	43,308	1,969
AUGUST -	53,793	51,359	49,710	3,543	52,998	4,420	71,044	4,354	51,132	2,906
SEPTEMBER	40,674	37,681	39,429	4,301	39,440	4,273	50,353	4,504	45,226	3,931
OCTOBER -	39,208	40,427	36,061	4,431	37,162	3,581	44,339	3,506	44,529	3,424
NOVEMBER	29,930	34,559	31,105	3,629	32,007	3,346	37,964	3,095	38,435	2,458
DECEMBER -	34,519	36,182	31,951	2,341	34,019	2,349	39,946	2,751	38,064	2,225
Total Number of Persons admitted to view the General Collections -	498,510	504,537	463,833	66,339	474,765	40,149	517,929	40,619	504,213	34,347
			530,172		514,914		558,548		538,560	

NUMBER OF VISITS TO PARTICULAR DEPARTMENTS.	1888.	1889.	1890.	1891.	1892.	1893.
To the Reading Room, for the purpose of research and reference -	188,432	190,025	197,823	198,310	197,984	194,102
To the Newspaper Room, for the purpose of research - - -	14,499	14,524	15,216	14,529	14,590	14,747
To the Map Room, for the purpose of special research - -	101	196	178	162	299	208
To the Department of Manuscripts, for the purpose of examining Select and other Manuscripts - - - -	8,873	8,817	7,805	8,257	8,197	9,310
To the Print Room, for the purpose of study - - - -	5,851	4,850	5,220	5,370	5,474	5,645
To the Egyptian and Assyrian Department, for the purpose of study - - - - -	—	—	—	—	—	1,619
To the Galleries of Sculpture, for the purpose of study - -	10,687	13,122	11,686	6,625	5,815	5,311
To the Coin and Medal Room, for the purpose of study, &c. -	2,003	2,108	1,988	1,727	1,723	2,440
To the Gold Ornament and Gem Room - - - - - -	15,138	20,747	19,128	19,607	19,801	17,900
TOTAL - - -	245,584	254,389	259,044	254,587	253,883	251,282

The Exhibition Galleries of the British Museum, Bloomsbury (including the Departments of Printed Books and Maps, Manuscripts, Prints and Drawings, Egyptian and Assyrian Antiquities, Greek and Roman Antiquities, British and Mediæval Antiquities and Ethnography, and Coins and Medals), are open to the public, free, as under:—

MONDAY, WEDNESDAY, FRIDAY, and SATURDAY—The whole of the Galleries.

TUESDAY and THURSDAY—The whole of the Galleries, except British and Mediæval Antiquities and Ethnography and rooms in the "White" Wing.

The hours of Admission are from—

10 a.m. till 4 p.m. in January, February, November, December.

10 a.m. till 5 p.m. in March, September, October.

10 a.m. till 6 p.m. in April, May, June, July, August.

Also on—

MONDAY and FRIDAY EVENINGS (8 to 10 p.m.)—Egyptian, Assyrian, Semitic, Religious and American Collections.

WEDNESDAY and SATURDAY EVENINGS (8 to 10 p.m.)—Greek and Roman Collections.

TUESDAY and THURSDAY EVENINGS (8 to 10 p.m.)—Manuscripts, King's Library, Porcelain and Glass, and Prints and Drawings, Prehistoric, Ethnographical and Mediæval Collections.

The Museum is closed on Sundays, Good Friday, Christmas Day, and days of Public Fast and Thanksgiving.

Persons applying for the purpose of research and reference are admitted to the Reading Room under certain regulations every day, except the days specified below, in the months of January, February, March, April, September, October, November, and December, from 9 a.m. till 8 p.m.; and in the months of May, June, July, and August, from 9 till 7. The Newspaper Room is open, under similar regulations, from 10 a.m. until ten minutes before the hour of general closing.

The Reading Room, Newspaper Room, and Students' Room, Department of Manuscripts, are closed on Sundays, Good Friday, Christmas Day, and the first four week-days in March and September.

Students are admitted generally to the several Departments from 10 till 4 o'clock: to the Sculpture Galleries from 9 o'clock till the hour of general closing; and to the Print Room from 10 till 4 o'clock from January to March, and from August to December, and from 10 till 5 from April to July.

British Museum,
31 March 1894.

E. Maunde Thompson,
Principal Librarian and Secretary.

B.—PERSONS ADMITTED TO VIEW THE COLLECTIONS IN THE BRITISH MUSEUM (NATURAL HISTORY), CROMWELL ROAD, in each Year from 1888 to 1893, inclusive.

	1888:	1889:	1890:	1891:	1892:	1893:
JANUARY	28,095	24,699	24,273	25,146	30,002	23,789
FEBRUARY	22,093	20,391	17,937	21,376	22,984	24,204
MARCH	32,622	30,294	22,439	39,697	26,014	26,181
APRIL	47,926	49,262	45,309	32,102	43,765	44,042
MAY	37,822	31,866	38,034	36,841	24,516	43,420
JUNE	27,967	42,201	32,381	26,405	33,697	31,134
JULY	33,758	28,485	29,820	31,923	25,612	36,714
AUGUST	43,073	40,138	40,434	47,635	37,193	59,072
SEPTEMBER	27,404	25,262	29,329	32,217	26,285	30,011
OCTOBER	22,225	23,264	28,138	31,496	28,965	34,848
NOVEMBER	21,491	20,319	23,144	23,366	24,539	26,847
DECEMBER	28,326	24,865	24,444	27,702	28,345	27,946
TOTAL Number of Persons admitted to view the Natural History Collections (including Students)	372,802	361,046	355,682	375,906	351,917	408,208

Number of Visits to particular Departments, for the purpose of Study—	1887:	1888:	1889:	1890:	1891:	1892:	1893:
ZOOLOGY	8,955	8,797	8,360	9,034	9,443	10,932	10,872
GEOLOGY	3,290	3,111	3,339	3,771	2,961	4,107	4,955
MINERALOGY	620	733	683	623	946	1,751	1,714
BOTANY	1,483	2,214	1,344	1,244	2,226	2,585	2,274
TOTAL	14,348	14,855	13,726	14,672	15,576	19,375	19,815

The Exhibition Galleries of the British Museum (Natural History), Cromwell-road, South Kensington, including the Departments of Zoology, Geology and Palæontology, Mineralogy, and Botany, are open to the public, free, every day of the week, except Sunday, and except Good Friday and Christmas-day, and days of Public Fast or Thanksgiving.

The

The Hours of Admission are from—

10 a.m. till 4 p.m. in January, November and December.
10 a.m. till 4.30 p.m. in February.
10 a.m. till 5 p.m. in October.
10 a.m. till 5.30 p.m. in March and September.
10 a.m. till 6 p.m. in April, May, June, July and August.
10 a.m. till 8 p.m. on Monday and Saturday only, from 1st May to the middle of July.
10 a.m. till 7 p.m. on Monday and Saturday only, from the middle of July to the end of August.

Persons are admitted daily to study in these Departments from 10 till 4 o'clock.

British Museum (Natural History), 31 March 1894. *W. H. Flower*, Director.

VIII.—General Progress at the Museum, Bloomsbury.

The number of visitors to the Museum during the past year has slightly declined, being 538,560, as against 558,548 in 1892. This diminution of 20,000 is accounted for by a falling-off of upwards of 13,000 day visitors and of upwards of 6,000 evening visitors. The grand total, however, is above the average of the preceding five years.

The reconstruction of the Assyrian Basement to serve as a lecture-room as well as an exhibition gallery has been completed in a very satisfactory manner. The fine bas-reliefs from Nineveh are now seen to the best advantage on the line of the light gallery which has been carried round the room; and the floor of the room, which has been cleared of the standard walls on which sculptures were formerly displayed, affords ample accommodation for the audience at lectures.

The rearrangement of the sculptures in the Mausoleum Room has been completed; and the suite of rooms which were formerly known as the Second Northern Gallery have been now occupied by the Cyprian collections, by the Semitic antiquities, and by exhibits illustrating various religions, and have been opened to the public.

The artificial lighting of the Reading Room has been greatly improved by the installation of incandescent electric lights fitted to the reading desks. The old system of arc lamps is, however, still retained for the general lighting of the room, but at a lower power.

There has again been a slight reduction in the number of persons using the Reading Room in 1893. The number of visits to the room has been 194,102, as against 197,984 in 1892. The average daily number of readers has been 645.

The average numbers in the room counted at certain hours in the afternoon have been:—

4 P.M.	5 P.M.	6 P.M.	6.30 P.M.	7 P.M.	7.30 P.M.
355	268	185	120	140	92

The number of volumes supplied to readers was 1,402,815, as against 1,366,596 in 1892. Thus it will be seen that, although the number of readers has diminished, the number of books demanded by them has increased.

The numbers of students have increased in the Departments of Manuscripts and of Coins and Medals, and slightly in the Department of Prints and Drawings. On the other hand

hand the number of students in the Sculpture Galleries has further decreased.

Presentations of Museum publications, including reproductions of prints and drawings by Old Masters and casts of antique gems, have been made to Free Public Libraries, Local Museums, and Art Schools throughout the United Kingdom.

With part of the means placed at their disposal by the bequest of the late Miss Emma T. Turner, the Trustees, by permission of the High Commissioner of Cyprus, commenced, before the close of the year, excavations on the ancient site of Amathus in that island.

Among the principal donations of the year are the following :—

From the Egyptian Government, a granite shrine inscribed with the name of Ptolemy IX., King of Egypt, B.C. 171–117, in which a hawk, emblematic of the Sun-god, was caged ; and a series of mummy-cases and other sepulchral objects of priests and priestesses of the confraternity of Amen.

From John Malcolm, Esq., of Poltalloch, the Sforza Book of Hours, a most exquisitely illuminated Manuscript prepared about the year 1490 for Bona of Savoy, widow of Galeazzo Sforza, Duke of Milan, and afterwards in possession of Charles the Fifth (*see* p. 32).

From Miss Mary Augusta Gordon (by bequest), the Journals of her brother, Major-General Charles George Gordon, kept during the siege of Khartoum, 1884 ; and other documents.

From John Wingfield Malcolm, Esq., C.B., a cartoon-sketch of a picture of the Holy Family by Michael Angelo.

The heirs and executors of the late John Malcolm, Esq., of Poltalloch, have deposited with the Trustees of the British Museum the celebrated collection of drawings and engravings by Old Masters formed by him, in order that they may be made available to students. A large selection has been made from them for exhibition in the Department of Prints and Drawings.

The following are the publications issued by the Departments at Bloomsbury during the year :—

Continuation of the General Catalogue of the Library, folio, 19 parts, viz. :—Needed Truth-Netherlands; Nicolau-Nocturno ; Nod-Nortmanni ; Norton-Nyxon ; O-Offizioeser ; Offley-Olry ; Olsbach - Orozco ; Orp - Ottobonus ; Ottocar-Ozzerii ; P-Paguis ; Pahde-Paloy ; Palperia-Parinus ; Paris-Paris Sun Beam ; Paris, le Chevalier-Pasbogues ; Pasca-Paudler ; Pavec-Peary ; Peasant-Penhydd ; Penia-Periodical Miscellany ; Periodico-Petenyi.

Catalogue of Accessions to the Library, folio, 26 parts.

Ancient Greek Inscriptions in the British Museum, Part IV., Section I.

Catalogue of the Greek and Etruscan Vases in the British Museum, by H. B. Walters. Vol. II.

Catalogue of Greek Papyri in the British Museum, with Texts.

Facsimiles of Greek Papyri in the British Museum.

Catalogue of Romances, by H. L. D. Ward. Vol. II.

Catalogue of Spanish Manuscripts in the British Museum, by P. de Gayangos. Vol. IV.

Catalogue of Seals in the Department of Manuscripts in the British Museum, by W. de G. Birch. Vol. II.

Catalogue of English Coins, Anglo-Saxon Series. Vol. II., by H. A Grueber and C. F. Keary.

A Guide to the Exhibition of Italian Medals, by C. F. Keary. 7 plates. Reprint.

Index of Artists represented in the Department of Prints and Drawings in the British Museum. Vol. I. (Dutch and Flemish Schools, German Schools), by L. Cust.

Reproductions of Drawings by Old Masters. Part III.

Catalogue of the Collection of Fans and Fan-Leaves presented to the British Museum by the Lady Charlotte Schreiber, by L. Cust.

Descriptive List of the Hebrew and Samaritan MSS. in the British Museum, by G. Margoliouth.

Catalogue of Sanskrit, Pali, and Prakrit Books in the British Museum, by C. Bendall. Supplement (1877–1892).

British Museum,
31 March 1894.

E. Maunde Thompson,
Principal Librarian and Secretary.

IX.—PROGRESS made in the ARRANGEMENT AND CATALOGUING OF COLLECTIONS, AND ADDITIONS MADE TO THEM, in the Year 1893. (Bloomsbury.)

DEPARTMENT OF PRINTED BOOKS.

I. *Arrangement.*—The works added to the collection during the past year have, as far as possible, been placed on the shelves of the Library according to the system of classification adopted in the Museum.

The press-marks, indicating their respective localities, have been marked on the inside and affixed to the back of each volume; also on the title-slips.

The total number of these press-marks amounts to 84,636; in addition to which 34,652 press-marks have been altered, in consequence of changes and re-arrangements carried out in the Library; 32,296 labels have been affixed to books and volumes of newspapers, and 73,633 obliterated labels have been renewed.

The process of attaching third-marks to the books in the New Library, with the view of accelerating their delivery to readers, has been continued; 12,576 books have been thus marked during the year, and the corresponding alterations, amounting to 40,408, have been carried out in the General and Hand Catalogues; 1,551 volumes of country newspapers have also been numbered, and for London and country newspapers 3,631 index-slips have been written.

The number of stamps impressed upon articles received has been 410,827.

About 3,100 presses of books and newspapers have been dusted in the course of the year.

II. *Catalogues.*—(*a.*) *Cataloguing.*—60,630 titles have been written (the term "title" applying equally to a main title and to a cross reference). Of these, 44,605 were written for the General Catalogue, 3,382 for the Map Catalogue, and 12,643 for the Music Catalogue.

(*b.*) *Printing.*—40,253 titles and 735 index-titles for the General Catalogue, and 3,144 titles for the Map Catalogue, have been prepared for printing during the year, upon the plan announced in the Statement of Progress for 1879; and 40,477 title-slips and 756 index-slips for the General Catalogue, and 1,278 title-slips for the Map Catalogue were printed off.

Progress has also been made in printing the whole Catalogue in alphabetical sequence from the beginning. With the exception of the headings "England," "France," "Great

Britain," "Liturgies," and a few others, the Catalogue at the end of 1890, was either printed or at press as far as the heading "Pinchot."

One hundred and forty-four manuscript volumes have been sent to press during the year, and 19 printed parts, representing 138 manuscript volumes, have been delivered by the printer.

(*c.*) *Incorporation.*—(1.) *General Catalogue.*—40,331 title-slips and 180 index-slips have been incorporated into each of three copies of this Catalogue. This incorporation has rendered it necessary, in order to maintain, so far as possible, the alphabetical arrangement, to remove and re-insert 23,420 title-slips and 142 index-slips in each copy, and to add to each copy 270 new leaves; while, in the preparation of the manuscript volumes for printing, it has been necessary to remove and re-insert 35,293 title-slips in one copy only, and to add thereto 154 new leaves.

The system of fortnightly incorporation, introduced in 1889, and described in the Annual Report for that year, has been carried out with perfect regularity during the past year.

(2.) *Hand-Catalogues.*—The number of new entries made in the Hand-Catalogue of "Academies" was 111; in that of "Periodical Publications," 390; and in the Hand-Catalogues of London and of Country Newspapers, 612 and 3,019 respectively.

(*d.*) *Map Catalogue.*—3,382 titles have been written for the Map Catalogue, and 1,271 title-slips have been incorporated into each of three copies of it. This incorporation has rendered it necessary to remove and re-insert 657 title-slips in each copy, and to add to each copy 14 new leaves.

(*e.*) *Music Catalogue.*—12,643 titles have been written for the Music Catalogue, and 20,348 title-slips have been incorporated into each of two copies of it. This incorporation has rendered it necessary to remove and re-insert 15,785 title-slips in each copy, and to add to each copy 315 new leaves.

(*f.*) *Shelf Catalogue.*—For this Catalogue, in which the title-slips, mounted on cartridge-paper, are arranged in order of press-marks, 65,490 have been so mounted, and 129,300 have been incorporated into the boxes.

(*g.*) *Catalogues of Books of Reference in the Reading Room.*—The additions and alterations in each of the three interleaved copies of the Catalogue of Books of Reference in the Reading Room, which are requisite in order to record the changes in this collection by the addition of new works, and the exchange of old for new editions, have been made. The number of additions to each copy has been 33.

The

The collection of books in the galleries of the Reading Room has continued to receive additions by the incorporation of new works of interest and importance, and the substitution of new for older editions. The number of additions to each of the two interleaved copies of the Catalogue of this collection has been 176.

III. *Binding.*—The number of volumes and sets of pamphlets sent to be bound in the course of the year has been 17,291, including 2,088 volumes of newspapers. In consequence of the frequent adoption of the plan of binding two or more volumes in one, the number of volumes returned has been 8,754; in addition to which 284 pamphlets have been separately bound. 762 volumes have been repaired at the binder's, besides which 6,621 volumes have been repaired in the Library, and 964 broadsides, sheets, &c., have been inserted into guard-books, the plan, tried towards the end of 1892, of effecting the slighter repairs in the Library itself having proved eminently satisfactory.

The following maps, charts, &c., have also been bound or mounted during the year:—35 atlases, 53 volumes of the Ordnance Survey of towns, 4 volumes of the 6-inch Ordnance Survey and 22 volumes of the 25-inch Ordnance Survey have been bound; 124 sheets of the 1-inch (and under) Ordnance Survey, 129 English Admiralty charts, and 375 maps, &c., have been mounted on jaconet, and 317 maps, &c., mounted on cards.

IV. *Reading Room Service.*—The number of volumes returned to the General Library from use in the Reading Room has been 914,343; to the Royal Library, 17,520; to the Grenville Library, 1,434; to the Map Room, 3,068; to the presses in which books are kept from day to day for the use of readers, 462,939; and to the Oriental Department 3,511; making a total amount of 1,402,815 volumes supplied to readers during the year. The number of readers during the year has been 194,102, giving an average of about 645 daily, the room having been open on 301 days; and an average of over seven volumes daily for each reader, not reckoning those taken from the shelves of the Reading Room by the readers themselves.

Newspaper Room.—The total number of readers during the year has been 14,747, giving a daily average of 49. The number of volumes replaced after use was 41,328, giving a daily average of nearly three volumes to each reader.

Map Room.—208 visitors have been admitted to the Map Room for the purpose of geographical research.

V. *Additions.*—(*a.*) 45,942 volumes and pamphlets (including 81 atlases, &c., and 1,490 books of music) have been added to the Library in the course of the year, of which 13,588 were presented; 12,759 received in pursuance of the laws of English copyright; 511 by international exchange; and 19,084 acquired by purchase.

The large number of works presented last year, which was again, as in 1892, very far in excess of the average, is due to a large collection of pamphlets presented by the National Liberal Club, which will be found duly noticed under the heading "Donations."

(*b.*) 63,631 parts of volumes (or separate numbers of periodical publications, and of works in progress) have also been added, of which 1,378 were presented, 34,507 received in pursuance of the laws of English copyright, 673 by international exchange, and 27,073 acquired by purchase.

(*c.*) 1,005 maps in 5,165 sheets have been added to the collection in the course of the year, of which 362 maps in 439 sheets were presented; 293 maps, in 3,201 sheets, received under the provisions of the laws of English copyright, and 350 maps, in 1,525 sheets, acquired by purchase.

(*d.*) 4,944 pieces of music, each complete in itself, have been acquired by copyright during the year.

(*e.*) The number of newspapers published in the United Kingdom, received under the provisions of the Copyright Act during the past year, has been 2,571, comprising 174,310 single numbers; 695 of these newspapers were published in London and its suburbs; 1,474 in other parts of England and Wales and in the Channel Islands; 223 in Scotland, and 179 in Ireland; 13 volumes and 186 numbers of old newspapers, belonging to five different sets, have been purchased; 91 sets, containing 75 volumes and 890 numbers of foreign and colonial newspapers have been presented; and 91 sets, containing 12 volumes and 20,913 numbers of modern foreign and colonial newspapers, have been purchased.

(*f.*) The number of distinct works comprised in the 45,942 volumes and pamphlets, the 63,631 parts of volumes, the 1,005 maps and the 4,944 pieces of music already mentioned, amounts, as nearly as can be ascertained, to 46,100. Of these, 12,863 were presented, 15,482 acquired by English copyright, 421 by international exchange, and 17,334 by purchase.

(*g.*) 4,622 articles have been received in the department not included in the foregoing paragraphs, comprising broadsides, Parliamentary papers, and other miscellaneous items. The addition of this number to those already given produces

produces a total of 122,902 articles received in the department in the course of the year.

Additional Library Fittings and Exhibitions. — The lobby outside the Banksian Library has been fitted with shelving for the reception of Indian and Colonial official documents, and screened from the public by a row of book-cases filled with volumes of Specifications of Patents in handsome bindings. Two large show-cases have been placed in the King's Library for the exhibition of specimens of the Tapling collection of postage stamps, which will be varied from time to time until the most valuable portion of the collection shall have been shown. Another show-case has been provided for the temporary exhibition of recent acquisitions of interest. The lower portion of a number of show-cases already in the King's Library has been shelved and glazed for the reception and exhibition of the great Chinese Encyclopædia acquired in 1877, which is bound in 748 volumes.

Acquisitions of Special Interest.—The past year has been remarkable, not so much for any one acquisition of extraordinary importance, as for the great number and variety of interesting additions in almost all branches of literature. The absence of acquisitions on a large scale is partly owing to the unusually small number of important sales by auction, and the consequent want of opportunities for extensive purchases. The chief sales of the year have taken place on the Continent, and have afforded opportunities for enriching the Museum collections with some choice accessions. One of particular interest to English bibliographers, though itself printed abroad, is the letter of Pope Sixtus IV. to the Doge of Venice, February, 1483, the fifth of the *Sex quam elegantissimae epistolae* printed by Caxton in 1483, the only known copy of which was acquired by the Museum in 1890. This is the only letter of the series known to have been printed in Italy, and a comparison of it with Caxton's text renders it probable that he printed from a manuscript. It was purchased at the Borghese sale, with other interesting books. Several important acquisitions were made at the sale of the third portion of the Heredia Library at Paris, particularly the Spanish translation of the travels of Sir John Mandeville, Valencia, 1521, "the year of trouble," as the colophon says, in allusion to the revolt of the commons headed by Padilla; the only perfect copy known. Fasciculus Temporum, B. Segura and A. de Portu, Seville, 1480; said to be the first Spanish book in which Arabic characters were employed. Boccaccio, Caida de Prencipes, Toledo, 1511; the second edition of the Spanish translation of Boccaccio De Casibus Principum, with a fine engraving on the title-page representing the Wheel of Fortune. Mirabilia Urbis Romae, Rome, 1500; the edition specially brought out

as a guide book to the city on occasion of the Jubilee held in that year. Hieronymus Paulus, De fluminibus et montibus Hispaniarum, dedicated to Pope Alexander VI. when Cardinal Borgia; printed at Rome before 1485, as Ronda is mentioned as being still in the hands of the Moors.

At the Seillière sale at Paris the following remarkable books were acquired:

Le Chasteau de Virginité, Paris, 1506, a beautiful book, not known to have occurred elsewhere, by George d'Esclavonie, a writer of whom nothing is known except that he was a canon of Tours. Calvenzano, Bref apologetica, Milan, 1612, the translation from Italian into Romansch of the author's apology for embracing the Roman Catholic religion. Evia, Tesoro de Angeles, Astorga, 1547, thirty years earlier than the first example of printing at Astorga known to Cotton.

Many other valuable acquisitions have been made in early French and Spanish literature; the most important of all being a beautiful copy of the first collected edition of Molière, Paris, 1674–75. Further may be mentioned among French books, Jacques le Grand, Livre de bonnes Moeurs, Lyons, 1490, of the greatest rarity; Le roman de la belle Helaine de Constantinople; Guillaume Alexis, Le grant blason de faulses amours, Paris, 1493: and two other old French poems of great rarity; Cōplainte de lame dānee, and La Voye de Paradis, about 1500. In early Spanish literature, besides those previously mentioned, the chief acquisitions have been: A translation of the Electra of Sophocles, under the title of La Vengança de Agamemnon, by Fernan Perez de Oliva, Burgos, 1531: Eighteen Spanish and Portuguese separate plays; Las Sergas de Esplandian, Burgos, 1587.

One purchase in Italian literature is of extraordinary interest. Rarely indeed is it possible to announce the recovery of a book of merit which has been given up for lost. Such, however, is the case in the instance of the "Essortatione al Timor di Dio," by the Italian reformer Acontius, engineer to Queen Elizabeth, seen in modern times, if seen at all, only by Chauffepié, the continuator of Bayle, and deplored as hopelessly lost by M. Gaston Bonet-Maury, Des origines du christianisme unitaire chez les Anglais. The Museum has, nevertheless, had the great good fortune to obtain a copy of this tract, interesting on the author's account and its own, and especially so to Englishmen from being printed in London about 1580 by "Giovanni Wolfio, Servitore de l'Illustrissimo Signor Filippo Sidnei," and as containing two Italian canzoni and a sonnet addressed to Queen Elizabeth.

The acquisitions in early South American literature have been especially remarkable. They include:

A translation into Aymara, with the Spanish text, of Estevan

Estevan de Villegas on the Life and Miracles of Our Lord, made by Father Lodovico Bertonio, and stated to have been printed at Juli, 1612. Juli, then a missionary station, is a small town on the western shore of the Lake of Titicaca, more than 12,000 feet above the level of the sea. It is questionable whether the book was not printed at Lima, and transported to Juli; but its publication actually took place at this remote spot, and the acquisition of this exceedingly rare volume completes the Museum collection of books bearing this imprint.

Letter of Joseph Antequera y Castro, Governor of Paraguay, at the time in prison, to the Bishop of Paraguay, with the Bishop's answer, San Javier, 1727. This book is so rare that Señor Medina was unable to describe it from inspection in his magnificent bibliography of Argentine and Paraguayan books. It is one of the seven early Paraguayan books which were printed with tin types, from the want of proper metal for alloy, which occasions the impression to be very indistinct. Four of these books are now in the Museum.

Three very rare Spanish grammars of Indian languages: Arte de la lengua Cahita, 1737; Los Reyes, Arte de la lengua Mixteca, 1750; Basalengue, Arte de la lengua Tarasca, 1714.

A most interesting acquisition of a Bible has been made in one of the only two fragments known to exist of the Lithuanian version of the Scriptures by Jan Bretkun, edited by S. B. Chylinski, the printing of which was commenced in London about 1660, but never completed. This fragment comprises the Old Testament as far as Joshua xv. The other known fragment, which is in the library of the Ecclesiastical Academy at St. Petersburg, extends as far as Psalm xl. The first edition of the Nuremberg or Weimar Bible, Nuremberg 1641, has also been purchased. The additions in Liturgies include an unique copy of the St. Malo Missal, Rouen, 1503; a book of Hours, hitherto undescribed, probably printed at Lyons by Mark Reinhard, about 1490; the Magdeburg and Halberstadt Missal, Nuremberg, 1503; and three editions of the Quignon breviary between 1560 and 1564.

Several important additions have been made to the collection of Latin incunabula, particularly fragments of an unknown edition of Donatus de octo partibus orationis, found in a binding of 1471; and two bulls of Pope Sixtus IV. in favour of the church of Saintes, Cologne and Memmingen, 1482. It is curious that bulls concerning a French church should have been printed in Germany. Other important acquisitions are the Summa of Nicolaus de Auximo, printed by Matthaeus Moravus and Michael de Monacho at Genoa, 1474: the first book printed in this city, where only three were produced in the fifteenth century. Petrus de Ancharano, Consilia, Adam Rot, Rome, 1473. The Liber Pandectarum

Medicinae of Matthaeus Silvaticus, printed by Johann Vürster de Campidona at Modena or Mantua, 1474. Nicolas Jenson's Virgil, Venice, 1475.

Perhaps the most important among miscellaneous accessions, and one of the most interesting of the year, is the list of prohibited books issued by the University of Louvain in 1546, the first book which fully answers to the definition of an Index Librorum Prohibitorum. At the same time were purchased "Copie van sommighe ende de principaelste articulen," Ghent, 1566, the original edition of the manifesto of the Protestant leaders in the revolt of the Netherlands; a collection of the patriotic songs of the Geusen in the same revolt, Amsterdam, 1625; and what is believed to be an unique copy of Joannes a Lasco's Confession of Faith in Flemish, probably printed at Embden about 1570. Other miscellaneous acquisitions of high interest are: The Statutes of the Order of the Golden Fleece, in Latin, printed on vellum by Plantin about 1620. Tyroff, Neues adeliches Wappenwerk, Nuremberg, 1781–1867, a work containing 3,600 plates of heraldic bearings of noble German families, very beautifully executed, of which only a limited number were published by subscription. Martinez Siliceus, Arithmetica, Paris, 1514, on vellum: the extremely rare work of a teacher of mathematics who subsequently rose to be Cardinal and Archbishop of Toledo. Splendor della virtuosa donna, Venice, 1555, a rare and beautiful lace book. The romance of Floriselle di Nichea, Venice, 1551. Six editions of the poems of Notturno Napolitano, Bologna and Ferrara, 1520–1530, bound in one volume. The first editions of three celebrated books, none of which have hitherto been in the Museum—Dante, de Vulgari Eloquio, Lugduni, 1577; Salmasius' Answer to Milton, Divione, 1660; Barrow's Lectures on Optics, London, 1669. The French Constitutions of 1791 and 1793, both on vellum. Ragueneau, Vie de la Mère Catherine de St. Augustin, Paris, 1671, one of the earliest books relating to Canada, and exceedingly rare; and Orme's Historic and Military Anecdotes, 1819, a fine and very scarce book.

The acquisitions in early English literature have been choice though not numerous, and have included several works of Taylor, the Water Poet, not previously known to be extant in separate editions. The most remarkable of these is the Verbum Sempiternum, commonly called the Thumb Bible, several editions of which, all of extreme rarity, were printed in the latter part of the seventeenth century, but which now occurs for the first time in an edition dated 1614. "Urania," "A Cast over the Water," "Odcombe's Complaint," "The Muses' Mourning," and "The Eighth Wonder of the World," have also been acquired. All these poems appear in the folio edition of Taylor's works, but no separate edition of "A Cast over the Water," "Odcombe's Complaint," or "The

"The Muses' Mourning" had previously been known, and the copies are at present unique. Other important purchases in this department are: Winzett's translation of Vincentius Lirinensis, Against Heresies, dedicated to Mary, Queen of Scots, Antwerp, 1563, of which only two other copies are known; Ramsay, A corrosyfe to be layed hard into the hartes of all faythfull Professours of Christe's Gospell, [1550?]; Dekker, Foure Birds of Noah's Arke, 1609; Speidell, Arithmeticall Extractions, 1628; and the first English edition of Cæsar, 1585. Two very rare Edinburgh books have also been purchased: Cato's Maxims, and Lady Melville of Culross, A godlie Dreame, both printed in 1620.

The purchases in modern English *belles lettres* include two of the rarest works in this department, Landor's Simonidea, Bath, 1806, of which only two other copies are known; and "Fanshawe," the first work by Nathaniel Hawthorne, Boston, 1828, exceedingly scarce in the United States, and of which there is, perhaps, no other copy in Great Britain. The first editions of Hawthorne's "Twice Told Tales" and of Emerson's Essays, first series, have also been acquired.

A number of collections of books and pamphlets on special subjects have been purchased. Among these may be enumerated upwards of a thousand Spanish and Catalan fly-sheets; a large number of books printed by Bodoni, rendering the Museum collection of this eminent typographer's productions nearly perfect; a complete collection of the very numerous works of Mdlle. Bekker, a Dutch writer of the eighteenth century; 382 Irish Bibles, liturgies, hymn-books,, &c., purchased from the Rev. T. W. Carson, of Dublin; 125 privately printed English books and pamphlets; a set of rare tracts on the prosecution of Louis the Fourteenth's minister, Fouquet, 1660–1667; many volumes of Italian provincial Statutes, mostly of the sixteenth century, bought at the Manzoni and Borghese sales; Frisian books; tracts relating to Napoleon; modern French political tracts; books relating to Africa, to Cuba and Porto Rico, and to the Dutch East Indies; handbills relating to Manchester, 1780 to 1800; newspaper cuttings illustrative of dramatic performances extending over thirty-seven years; and playbills of the Standard and Effingham Theatres.

Among numerous purchases of books enriched with manuscript notes, by far the most important, and one of the most remarkable of the year, is that of two copies of Dr. Daniel Sanders' standard German Dictionary, with the supplement, containing probably not less than forty thousand additions and corrections by the author, either in manuscript or cuttings from books and newspapers. A more remarkable example of learned industry will hardly be found, and, as these accessions have never been published,

the Museum copies will be invaluable for future work in German lexicography. Of great but totally dissimilar interest is a copy of Boulanger's work against Christianity, with manuscript notes by Voltaire. These annotations are of a different character from what might have been expected, frequently exposing the errors and ignorance of the author. Very interesting, too, are a copy of the "Dial,' the organ of the American Transcendentalists, with the names of the authors of the respective articles supplied in the handwriting of Emerson; and Southey's own copy, perhaps the only one extant, of the Westminster School magazine, "The Flagellant," in which he wrote a protest against flogging, which occasioned his expulsion. Other acquisitions of similar character are Terrien, Commentaire du Droit Civil: a presentation copy from the antiquary Lambarde to Sir Roger Manwood, with a long autograph letter inserted. Edwardes' translation of Cæsar: a presentation copy to Ben Jonson, with the autograph of the latter. Campbell's Poems, 1837: presentation copy, with his autograph, and a copy of "Hohenlinden" in his writing. Leigh Hunt's "Imagination and Fancy," a proof or revise with manuscript notes and corrections by the author. John Landseer's Lectures on the Art of Engraving, with copious manuscript additions by the author. Athenæus, with manuscript notes by Porson. Pinkerton on Medals, with manuscript notes by Horace Walpole. Bowring's Life of Bentham, with letters inserted, and other additions in manuscript. Goody Two Shoes, edition of 1796, with a long manuscript note by John Winter Jones, late Principal Librarian of the British Museum, in support of the claim of his grandfather, Giles Jones, to the authorship. Hazlitt's Conversations with Northcote, with manuscript notes by Northcote himself. In this place may be mentioned another curiosity, the "Zilveren Echtz-zang aan den Heere J. G. F. Myners en de weledele Vrouwe Elizabeth Hamilton," Amsterdam, 1771, printed on satin, and bound in silk richly decorated with silver embroidery.

Donations.—The most extensive donation received during the past year is one previously adverted to, of upwards of a thousand pamphlets presented by the National Liberal Club. An extensive collection of Colonial newspapers has, as in former years, been presented by the Royal Colonial Institute. The Library is further indebted to the Scottish Bible Society for the complete Japanese Bible recently published in Japan; to Sir H. Edwardes, Bart., for an indulgence of Pope Julius II., printed by Pynson early in the sixteenth century; to Henry N. Stevens, Esq., for a superb edition of Charles the Fifth's *Laws of the Indies*, edited by the late Henry Stevens, F.S.A., and to Miss Townsend, for "Townsend's Journal of Fashion," sets of which are now scarce and valuable.

Maps.—Many highly interesting acquisitions of maps have been made during the past year. The following are the most remarkable :—Facsimile, on parchment, of the unique copy in the Naval Museum, Madrid, of the Chart of the World executed in 1500 by Juan de la Cosa, pilot to Columbus in his first and second voyages.

Map of the World, by Alonzo de Santa Cruz, 1542. Facsimile of the original preserved in the Royal Library at Stockholm ; with explanations by E. W. Dahlgren, Stockholm, 1892, fol.

Facsimile, in gores, of the silver globe executed by Johann Hauer, of Nürnberg, 1620, and presented to Gustavus Adolphus in 1632. The original is preserved in the National Museum, Stockholm.

Carta d'Italia illustrativa della Divina Commedia di Dante Alighieri, per E. Croce. Genova, 1875. Now rare and out of print.

Bidrag till Nordens Äldsta Kartografi. Utgifna af Svenska Sällskapet för Antropologi och Geografi. Stockholm, 1892, fol.

Il "Mappamondo di Torino," riprodotto e descritto da G. Ottino. Torino and Palermo, 1892, fol.

Remarkable Maps of the XVth, XVIth, and XVIIth centuries. (Section 1. The Bodel Nyenhuis Collection at Leyden.) Amsterdam.

A set of maps of Korea, by provinces ; to which are added maps of China, Japan, and the Liu Kiu Islands. Séoul [1800 ?]

Music.—The dispersion of the famous Borghese Library in Rome has enabled the Museum to add several works of the greatest rarity to its collection of early Italian music. Foremost among these are to be mentioned two very early operas, "La Morte d'Orfeo," 1619, by Stefano Landi, and "La Galatea," 1639, by Loreto Vittori, which, apart from their great historical interest, are exquisite examples of musical typography. Of the latter only three other copies are known to exist, while the example of the former, which the Museum has been fortunate enough to acquire, is believed to be unique. Scarcely less interesting historically, and of equal intrinsic beauty, are two collections of madrigals for three voices, with an accompaniment for lute and harpsichord, edited and published at Rome, by Simone Verovio, in 1589 and 1595. They are entitled respectively "Ghirlanda di Fioretti Musicali," and "Lodi della Musica," and are printed throughout from engraved copperplates ; the former is probably the second musical work produced by this process.

Among the other acquisitions which once formed part of the Borghese Library, may be cited a complete set of Marazzi's Madrigals, Parma, 1577, of which only one other

copy is known to exist; a single part-book of Merula's *Canzoni*, Venice, 1615, a work hitherto unknown to bibliographers; and the 1614 edition of Marenzio's sixth book of Madrigals, which is believed to be the only complete copy extant.

From other sources the Museum has acquired the bass part-book of a series of four books of dance-tunes by Jean d'Estrée, Paris, 1559–1564, which is believed to be the earliest collection of this nature in existence; some interesting Dutch psalters, dating from the middle and end of the sixteenth century; and the treble part-book of a book of motets for three voices by Joannes a Castro.

Among other important accessions may be mentioned a folio edition of a series of settings of the *Magnificat* by Christopher Morales and other composers, Venice, 1562; a complete edition of Antonio Cifra's *Litaniae Deiparae Virginis* for eight and twelve voices, 1613; and numerous odd part-books of early Italian madrigals.

R. Garnett.

Department of Manuscripts.

1. *Catalogue of Romances.*—The second volume has been finished and issued. Descriptions of Exempla and Moralised Tales, including the Gesta Romanorum, belonging to the first section of the third volume, in thirty-eight MSS., have been drawn up.

2. *Catalogue of Spanish Manuscripts.*—The fourth volume has been bound and issued, completing the work.

3. *Catalogue of Music.*—Articles contained in one hundred and thirty-nine MSS. have been described.

4. *Catalogue of Additions.*—The descriptions of Additions for the years 1888–1893 have been printed up to the middle of the year 1893.

The slips of the Index to the Additions for the several years 1888–1892 have been thrown into one series, and are being arranged in strict alphabetical order for the new sexennial Catalogue.

The Additional MSS. 34,276–34,525, and Egerton MSS. 2747–2790, acquired in the year 1893, have been described and indexed.

5. *Catalogue of the Stowe MSS.*—Eleven manuscripts and fifty-five Charters (of Brescia) have been described.

The descriptions of the Stowe Charters have been revised and an Index made. The MSS. and descriptions have been arranged

arranged in classes, and the Collection has been re-numbered accordingly.

6. *Catalogue of the Sloane MSS.*—Sloane MSS. 478–648 (in all 171 MSS.), have been indexed from the MSS. themselves, completing the numbers hitherto wanting to the whole set 1–4100.

The Index of the entire series has been arranged in strict alphabetical order, the subject headings separated from the bulk, and the bulk revised from A to Be.

7. *Catalogue of Seals.*—The third volume, containing the continuation of Heraldic Seals, G—Z, and Colonial Seals, has been printed. Plates of illustrative examples among the original seals in the Department are being prepared, and the volume will be issued at an early date. Descriptions of the Seals of Scotland—viz., Royal; Official; and Episcopal (in progress)—have been prepared for the fourth volume.

One hundred and ninety-two detached Seals and casts have been arranged and registered.

Short descriptions of Seals, Bullæ, and Casts, acquired from 1888 to 1893 have been written for the new sexennial Catalogue.

8. *Catalogues of Charters and Rolls.*—The final revision for the press of the General Index of names and subjects in the several collections of Charters and Rolls, acquired before the year 1882, is in progress.

Additional Charters and Rolls 31,673–32,739, acquired in 1887, and 34,270–34,278, acquired in 1888, have been described.

Brief descriptions of the Additional and Egerton Charters acquired in 1888–1893 have been written and indexed for the new sexennial Catalogue.

Slip-descriptions of Additional Charters and Rolls 30,001–32,806, forming Vol. XI., and 32,807–34,269, forming Vol. XII., of the Catalogue of Additional Charters, have been bound and placed in the Students' Room in continuation of the series.

9. *Catalogue of Papyri.*—The Catalogue of non-classical Papyri has been issued, accompanied by an atlas of *facsimiles*.

Papyrus CXXXVII. (medical) has been edited by Prof. H. Diels from a transcript prepared and partly revised in the Department.

Three hundred and thirty-eight Papyri, recently acquired, have been arranged, numbered, and glazed; and forty-seven transcribed with a view to a second volume of the Catalogue.

The Papyri acquired between the years 1888 and 1893 have been described and indexed for the new sexennial volume.

10. *Arrangement of Papers.*—Additional MSS. 34,287, 34,386–34,392, 34,399–34,401, 34,485, acquired during 1893, have been arranged.

11. *Binding.*—Two hundred and twenty-one Additional, and thirty-four Egerton MSS., newly acquired, and two hundred and eighty-nine MSS. of the old collections, have been bound or repaired.

Seven hundred and ninety-seven Stowe MSS. have been bound, repaired or lettered.

Two thousand one hundred and twenty-four Charters and Rolls have been repaired.

Three hundred and fifty Papyri have been glazed and mounted.

Twenty-four Catalogues and Registers and forty-three Printed Books have been bound; and thirty maps mounted.

12. The several collections of MSS. and the Additional and Harley Charters have been verified by the shelf-lists.

13. *Stamping, folioing and placing.*—Two hundred and seventy-eight Additional and thirty Egerton MSS. have been placed and entered in the hand-lists and shelf-lists.

Fifteen hundred and fifty-two Charters, fourteen hundred and ninety-three Rolls, twenty-seven Seals, and one hundred and eighty-four Casts of Seals, have been numbered and placed.

Two hundred and twenty-three MSS., eighty-eight Printed Books, and four thousand two hundred and seventeen Charters and Rolls have been stamped, with a total of 10,438 impressions.

Five hundred and fifty MSS. have been folio'd, with a total of 35,977 folios.

14. *Consultation of MSS.*—The number of MSS. delivered in the Reading Room is 1,405; and of those consulted in the Students' Room attached to the Department 29,410.

The number of Charters and Rolls consulted by Students is 2,124.

The number of Students working in the Department during the year is 9,310.

15. *Books of Reference.*—One hundred and twenty-one newly-acquired books have been catalogued, and the revision of the Catalogue is in progress.

16. *Acquisitions.*—The numbers of Manuscripts and Documents acquired during the year are:—

General Collections of MSS.	250
Rolls and Charters	1,514
Detached Seals and Casts	192
Papyri	230
Egerton MSS.	44
Egerton Charters	29

Among

Among them are :—

Homer's Odyssey : part of a papyrus roll, containing the latter part of the third book, written in fine uncial characters, probably in the 1st century. This fragment, which is accompanied by a few scholia, is the earliest extant MS. of any portion of the Odyssey.

Portions of three orations or rhetorical exercises, in Greek, by an unknown author ; written on papyrus, about the end of the 1st century.

A Deed of Sale of a slave boy at Seleucia, in Syria, in A.D. 166 ; written in Latin, on papyrus, with autograph subscriptions and seals of the parties and witnesses.

A long series of dated Greek documents of the first three centuries of the Christian era, on papyrus, including census lists, accompts, taxation returns, registers of property, official and private correspondence, deeds of sale, receipts, etc., from the Fayyúm, in Egypt, of considerable palæographical and historical value.

A collection of nearly forty letters in Greek, on papyrus, forming the correspondence of an officer named Flavius Abinnæus, præfectus castrorum at Dionysias, about A.D. 343–350 : with other documents of the same period, from the Fayyúm, in Egypt.

A fragment of a Greek Psalter, containing Psalms xii. 7–xv. 4, written on papyrus, at the end of the 3rd or beginning of the 4th century.

Fragments of vellum MSS., in Greek and Latin, acquired with papyri, and believed to have been found in the Fayyúm, in Egypt, 2nd—7th centt. Among them are portions of the works of Demosthenes and Herodotus, and of a Psalter.

Fragments of MSS. on all subjects, formerly used as bindings or fly-leaves to other volumes ; 9th—19th centt. Seven volumes. *Presented by Prof. George Stephens, of Copenhagen.*

The Four Gospels, in Greek, with miniatures of the Evangelists and their emblems much defaced, and ornamental headpieces ; 12th century. Vellum.

The Four Gospels, in Greek, with ornamental headpieces ; 13th century. Vellum. Two copies.

Evangelistarium, or Gospel Lectionary, in Greek ; 14th century. Vellum. Partly palimpsest ; the underlying writing being in four different hands, of the 12th century.

The Acts and Epistles, in Greek, with ornamental headpiece ; 13th century. Vellum.

Expositio Haimonis in Isaiam Prophetam ; 12th century. Vellum. Formerly belonged to Bury St. Edmund's Abbey.

0.107. Domesday

Domesday Book of the laws and usages of Ipswich, in French; compiled in 1290–1. Vellum. Written for Paul Le Ros, Town Clerk, *temp.* Edw. III.

A series of 24 miniatures on vellum, illustrating the Life of Christ. Executed, under Byzantine influence, in Italy, early in the 14th century.

Hours of the Virgin, in Latin, profusely ornamented with miniatures, figure-initials, and illuminated borders, of English work; 14th century. Vellum.

Book of Hours, in Latin, written and illuminated for Bona of Savoy, widow of Galeazzo Maria Sforza Duke of Milan (died 1476), probably about the year 1490. With 48 miniatures anda large number of borders, exquisitely painted in the finest style of Milanese art. The MS. appears to have been given by Bona to her daughter, Bianca Maria Sforza, who was married to the Emperor Maximilian I. in 1493, and, on Maximilian's death in 1519, to have come into the possession of his grandson Charles V. Many of the leaves having been abstracted, they were replaced by others between 1519 and 1521, the insertions including 15 beautifully executed miniatures by Flemish artists, and a border containing a fine medallion portrait of Charles, dated 1520. The MS. was brought to England from Spain by Sir J. C. Robinson, in 1871. *Presented by the late John Malcolm, of Poltalloch, Esq.*

Latin-English Glossary of the Bible and Apocrypha, agreeing with Purvey's version of the Wycliffite translation; 15th century. Vellum. In boards with bevelled edges, covered with two layers of white kid-skin.

Collection of English poems, chiefly by Lydgate, with a few by Chaucer, including a "Balade" hitherto unknown; 15th century. Belonged to John Stow and to William Browne, the poet.

A Collection of transcripts of instructions to ambassadors, and of other State papers, *tempp.* Henry VIII.–Eliz.; made about the year 1600.

Collection of political and other papers, 1524–1623, by Sir Julius Cæsar, Chancellor of the Exchequer, Master of the Rolls, etc. (died 1636).

State papers and letters relating to negociations with Portugal and Spain, 1572–1720; chiefly collected by Sir Robert Southwell, while Envoy to Portugal, 1665–1669, and after his return. Seven volumes.

Letter-book of Sir Isaac Wake, Ambassador to Savoy and Venice; 1624–1630.

Petitions to Parliament, the Council of State, etc., 1648–1654. Among them is a petition of Anne Powell, mother of Milton's first wife, mentioning him as mortgagee of lands of her husband (Richard Powell), at Forest Hill, co. Oxon; 1651 or 1652.

Letter-

Letter-book of John Milward, Deputy Lieutenant for co. Derby, with reference to the Militia and to the suppression of an intended rising; 1660–1666.

Letter-books of Sir Robert Southwell, Envoy to Portugal; 1665–1669. Three volumes.

Transcripts of state-papers and correspondence relating to England and the Netherlands; 1668-1701. Partly in the hand of Sir Robert Southwell. Two volumes.

Letters to Sir Robert Southwell, chiefly from British agents in the Low Countries, relating to the war with Holland, and the negotiations for peace at Cologne; 1672–1674. Four volumes.

Letters to Sir Robert Southwell from James Touchet, Earl of Castlehaven, "Generale de Battalia" in the service of Spain; 1672–1674.

Letters to Sir Robert Southwell from Sir Leoline Jenkins, Plenipotentiary at the Congress of Cologne; 1673–1674.

Letters plenipotentiary of Charles II., addressed to Lord Shaftesbury and others, to treat with Louis XIV. for peace and neutrality between the Tropics; 1679. *Presented by Lionel Cust, Esq.*

Historical collections made by Sir James Mackintosh for his "History of Great Britain from the Revolution in 1688 to the French Revolution in 1789." Forty volumes. *Presented by Miss Eva Mackintosh.*

Letters from Robert Wolseley, Envoy at Brussels, to William Blathwayt, Secretary to William III.; 1691–1694.

Correspondence between James Vernon, Secretary of State, and William Blathwayt, Secretary at War, and Secretary to William III. at Loo; 1693–1701.

Letters from Peregrine Osborne, Marquis of Carmarthen, to William III. and to Secretary William Blathwayt; 1694.

Letters from George Stepney, Envoy at Dresden and Vienna, to William Blathwayt, Secretary at War; 1694–1705.

Letters from Charles Montague, Chancellor of the Exchequer, to William Blathwayt, Secretary at War, on monetary schemes; 1696–1697.

Letters from Sir Lambert Blackwell, Envoy to Florence and Genoa, to William Blathwayt, Secretary at War; 1700–1703.

Letters from William Aldersey, Agent at Hamburg, to William Blathwayt, Secretary at War; 1701.

Official correspondence and papers of Walter Titley, Envoy at Copenhagen; 1728–1765. Sixteen volumes.

Letters to Sir Philip Francis, while Member of the Council of Bengal, from Gen. Sir John Clavering and John Bristow, Resident at Lucknow; 1774–1777.

The Auckland Papers: correspondence and papers, political and private, of William Eden, first Lord Auckland (d. 1817),

Chief Secretary for Ireland (1780-82), Ambassador at Paris (1785–87), Madrid (1788–89), and the Hague (1789–93), Postmaster General (1798–1804), President of the Board of Trade (1806–7), etc. Correspondence of his son, George Eden, Earl of Auckland, and of other members of his family, down to 1861, is also included. Sixty volumes.

Papers and correspondence relating to the Mint and Coinage of England and Ireland, 1336–1727; collected by Edward Southwell, Secretary of the Irish Council.

Exchequer Accompts and other official papers; 1516–1656.

Ordinances of Henry VIII. for the Royal Household; 1526. Belonged to the Lord Chamberlains, the Earl of Worcester (1508–1526) and the Earl of Arundel (1545–1550).

Household-book of Queen Elizabeth, with additional matter interspersed relating to the Royal Household during the reigns of Henry VIII., Edward VI. and Mary.

Accompt of Sir John Fortescue, Master of the Wardrobe, for the coronation of James I. and Anne of Denmark; 1603.

Accompt of expenses of George Fry, King's messenger, in Ireland, 1690–1691; and in England, 1691–1698.

Roll of Accompt of Charles Cæsar, Treasurer of the Navy; 1713–1714.

Accompt of Exchequer issues and payments; 1721–1725.

Relatione d'Inghilterra, by Card. Bentivoglio, Nuncio in the Spanish Netherlands; 1609.

Apology for the political conduct of Robert Cecil, Earl of Salisbury, by Sir Walter Cope; *circ.* 1612.

"The Point of Honour in the Salutation used at sea by striking the flag and lowering the topsail"; written by Sir Philip Meadows, 1693, and sent to Sir Robert Southwell at the time.

Notes by Edw. Southwell, Clerk to the Privy Council, of the Council's procedure and business; 1692–1695. Two volumes.

Treatise on the Jewel House, by Sir Gilbert Talbot, Master and Treasurer, including an account of his own services to the Crown during the Civil War, etc.; 1680.

"Memoires concernant l'Angleterre," by a French spy; *circ.* 1755–1760.

Journal of the Mission of Rob. Lyall to Rádama I. King of Madagascar; 1827. *Presented by the family of the late Sir Richard Owen*, K.C.B.

Address from British and other merchants at Shanghai to Lieut.-Col. Charles George Gordon, on the suppression of the Taiping Rebellion; 1864. With signatures. Vellum. *Bequeathed by Miss Mary Augusta Gordon.*

Journals of Major-General Charles George Gordon, C.B., during

during the Siege of Khartoum; 10th Sept.–14th Dec., 1884. *Holograph.* Six volumes. *Bequeathed by the same.*

Votes of thanks by the Houses of Lords and Commons to the officers and men engaged in the Soudan expeditions of 1884–5, with an expression of regret for the death of Major-General Charles George Gordon, C.B., and of others who fell in those campaigns; 1885. Vellum. *Bequeathed by the same.*

Address of condolence to Miss Mary Augusta Gordon on the death of her brother, Maj.-Gen. Charles George Gordon, C.B., from Princesses, Peeresses, and wives of Bishops and of Members of the House of Commons; 4th November, 1885. Vellum. Bound in white vellum, tooled. *Bequeathed by the same.*

Three letters from Queen Victoria to Miss Mary Augusta Gordon, on the death of her brother, General Gordon; 1885. *Holograph. Bequeathed by the same.*

Political tracts relating to Ireland; *tempp.* Eliz. Jas. I. Belonged in 1617 to George Carew, Earl of Totnes, Master of the Ordnance in Ireland and President of Munster.

Original memoirs of Antoine François Sergent-Marceau, Administrator of Police at Paris in 1791, and Member of the Convention in 1792. *Presented by Mrs. M. C. M. Simpson.*

Illuminated Vidimus and Confirmation by Henry IV., King of Castile and Leon, of Royal Privileges granted to the town of Cabra in Andalusia; 20th June, 1459. With the King's leaden bulla appended.

A collection of 1277 Sheriffs' and other writs; *temp.* Eliz.–Chas. II.

Collections for a history of Bedfordshire, by O. St. John Cooper, Vicar of Narleigh and Puddington, co. Bedf.; 18th century. Twenty-two volumes.

Extracts from Parish Registers of cos. Cornwall and Devon, by Col. John Lambrick Vivian, arranged under the names of persons; 19th century. Thirty-two volumes.

A collection of 903 deeds and rolls relating to Ramsey Abbey, co. Huntingdon, and to the family of Cromwell, *al.* Williams, of co. Hunt.; 12th–17th centt.

Papers and Correspondence of the family of Cromwell, *alias* Williams, of Ramsey Abbey, co. Huntingdon; 16th–17th centt. Ten volumes.

Book of expenses of Ramsey Abbey, co. Hunt.; 1355–56. Vellum.

Roll of proceedings of the Quarter Sessions held at Maidstone, co. Kent; April, 1604.

Customs of the Town of Northampton, in French and English; 15th–17th centt. In wooden boards, covered with brown leather finely tooled, with metal clasps and bosses.

Plan of part of Tangham Manor, co. Suffolk, by Ralph Agas; *circ.* 1594. *Autograph.* Vellum.

0.107. Survey

Survey of the Manors of Butley, Boyton and Tangham, co. Suffolk, by Ralph Agas; 1594. *Autograph.* Vellum.

Correspondence and papers of Robert Sherburne, Bishop of Chichester (1508–1536); very fragmentary, and apparently taken from covers of books.

The Shepherds' Logic, by Abraham France or Fraunce, with numerous quotations from Spenser's Shepherd's Calendar; *circ.* 1580–85.

The life, reign, and fall of King Edward II.: a poem by Sir Francis Hubert (d. 1629).

Collection of political, satirical, and other poems; *temp.* Chas. II.

"The Brittish Rebellion, in Heroick vers," by Geo. Cartwright, of Fulham; *temp.* Chas. II. Apparently *autograph.*

A volume of poems by John Keats; including *autograph* copies of "The Pot of Basil" (with three stanzas subsequently cancelled, and many minor variations), an "Ode" on the Mermaid Tavern, and a first draft of "The Eve of St. Mark." The volume with these three poems was sent by Keats to his brother George in America, and the other poems contained in it were entered, probably by Mrs. George Keats, from MS. copies afterwards received from the poet from time to time, showing numerous variations from the printed texts.

Notes and extracts on scientific subjects, by Sir Richard Owen, K.C.B., Director of the Natural History Museum, etc.; *circ.* 1828–1832. *Autograph. Presented by Sir R. Owen's family.*

Notes by John Hunter, the anatomist; and by Professor Sir Everard Home, Bart., of Lectures at the College of Surgeons in 1810. *Autograph. Presented by the same.*

"The Fortress of Metz, or the Miser's Oath," a play by Caroline Amelia, wife of Sir Richard Owen; 19th century. *Autograph. Presented by the same.*

Collection of proverbs in Icelandic, transcribed and translated into English by Jón Andrésson Hjaltalín; 19th century. Three volumes. *Presented by Dr. J. J. Garth Wilkinson.*

Collections for a history of engraving, and other papers of Thomas Dodd, printseller; 19th century. *Presented by M. H. Spielmann, Esq.*

"Biographical dictionary of Foreigners, who have resided in or visited England, from the earliest times down to the year 1777," by Joseph Gulston. Six volumes.

A Collection of one hundred and seventy casts of Episcopal Seals not hitherto represented in the Museum Series. *Presented by H. A. Rye, Esq.*

Edward Scott.

Department of Oriental Printed Books and Manuscripts.

Cataloguing and Arrangement.

Printing.—The following are the numbers of the sheets of the various Oriental Catalogues which have been sent for Press: Arabic Catalogue, 20 sheets; Catalogue of Arabic MSS., 64 sheets; Assamese Catalogue, 1 sheet, completing the Catalogue; Bengali Accessions, 3 sheets, Hebrew Catalogue, 19 half-sheets of Index; Descriptive List of Hebrew MSS., 8 sheets, completing the List; Hindustani Accessions, 16 sheets; Japanese Catalogue, 10 sheets; Pushtu Catalogue, 4 sheets, completing the Catalogue; and Sanskrit Catalogue, 9½ sheets, completing the Catalogue.

Cataloguing.—The following Titles were written for the several Catalogues: Arabic, 1505; Armenian, 19; Assamese, 10; Bengali, 106; Ethiopic, 27; Gujarati, 128; Hebrew, 229; Index Titles, 1,897; Hindi, 221; Hindustani, 549; Japanese and Chinese, 327; Malay, 15; Malayalam, 11; Maltese, 16; Marathi, 140; Panjabi, 69; Persian, 44; Pushtu, 368; Sanskrit, 487; Syriac, 159; Tamil, 9; and Turkish, 8.

Sixty-six Hebrew MSS. and 26 Sanskrit and Pali MSS. were fully catalogued.

Short descriptions of 145 newly acquired MSS. were entered in the Descriptive List, and entries of the same were also made in the Register and the Classed Inventory.

Twenty three Printed Books and 126 MSS. were folioed.

Binding.—The following are the numbers of Printed Books and MSS. sent to the Binder during the year: Arabic and Persian, 467; Chinese, 5; Hebrew, 134; Sanskrit, 268; and MSS., 204.

Additions.—The number of works, both printed and in MS., added to the Department during the year was 1,699, of which 1,554 were Printed Books, and 145 were MSS.

Of the Printed Books 336 were bought, 861 were received under the Indian Copyright Act, 322 under the Colonial Copyright Acts, and 35 were presented.

Of the MSS., of which a classified list is appended, 136 were bought and 9 were presented.

Arabic	68
Armenian (Including a considerable collection of documents and fragments.)	1
Burmese	2
Carshunic	1

Chinese	2
Coptic	18
(Including a collection of between 500 and 600 documents and fragments.)	
Hebrew	10
Hindustani	1
Japanese	1
Pali	12
Persian	17
Sanskrit	6
Sinhalese	3
Syriac	2
Tamil	1
	145

The most important acquisitions for the year are as follows :—

Arabic MSS.—1. Kanz al Akhyār, a general history abridged from the Kāmil of Ibn al-Athīr, by the Sharīf Idrīs Ibn ʿAli, including a special history of Yemen brought down to A.H. 714; dated A.H. 724 (A.D. 1324) Fol.

2. Rauh al-Rūh, a history of Yemen from A.H. 900 to 1029, by Sayyid ʿIsà Ibn Lutf-allah; A.H. 1164 (A.D. 1750). Fol.

3. Al-Ikmāl, a dictionary of the names of traditionists, with biographical notices, by Ibn Mākūlà; A.H. 831 (A.D. 1428) 4°.

4. Takmilat al-Ikmāl, a complement and continuation of the preceding work, by Ibn Nuktah; A.D. 817 (A.D. 1404). 4°.

5. Al-Mathal al-Sā'ir, a copious anthology of elegant pieces in prose and verse, by Ibn al-Athīr; A.H. 683 (A.D. 1285). 4°.

6. The Divan of Ibn al-Hajjāj, written in fine vocalised Naskhi, apparently in the 12th century. Fol.

7. A poetical version of Kalila and Dimna, or the fables of Bidpai, by Ibn al-Habbāriyyah, A.H. 1235 (A.D. 1818). 4°.

8. Al Durr al-Manthūr, a volume of the extensive commentary of al-Suyūti upon the Coran; 18th century. Fol.

9. Mir-'āt al-Zamān, a Mohammedan Chronicle, by Ibn Kizoghli; two volumes. Extending from A.H. 218 to 460. 19th century. Fol.

10. 'Ajā'ib al-Āthār, an Egyptian Chronicle, by al-Jabarti; three volumes. Extending from A.H. 1100 to 1220: A.H. 1245 (A.D. 1829).

11. Ten volumes of Sīrat al-Mujāhidīn, or Romance of Delhemeh, a popular tale in modern Arabic.

12. Eleven

12. Eleven volumes of the Sīrat al-Malik al-Zāhir Baibars, or Romance of Sultan Baibars, a work of the same class. (Nos. 9–12 belonged to the collection of the well-known Arabic Scholar, Edward Wm. Lane).

13. Thirty homilies of S. Jacob, Bishop of Serug, translated into Arabic from the original homilies in Syriac verse.

14. A homily on the building of the Church of S. Victor in Ansina, Upper Egypt, and on the miracles performed by the Saint after his death; 17th century.

15. A life of the same Saint, imperfect; 17th century.

Arabic Books.—1. The Latin version of the Theorica and Practica of the Arab physician Alsaharavius (al-Zahrāwī). Augustæ Vindelicorum, 1519. Fol.

2. The History of Morocco, by Ibn Abi Zar. *Arabic.* Lithographed at Fez in 1888. 8°. (The first book obtained by the Museum from Morocco.)

3. The Dictionary of Natural History of Damīrī. *Arabic.* With drawings illustrating the subjects. Lithographed in Persia in 1868. Fol.

Armenian Book.—A series of Photographs representing Armenian National Antiquities and Historic Sites, with descriptive letterpress. Echmiadzin, 1892. Obl. 4°.

Chinese Book.—A very curious coloured illustrated Chinese work representing events in the Life of Sākyamuni Tathāgata; with Text. 1808. 4°.

Coptic MSS.—1. An important collection of Coptic MSS., containing many fragments of value, among which are Portions of the Psalms; several chapters of Isaiah and Hosea —these are especially remarkable; part of a very ancient MS. of the Pauline Epistles; and various fragments of the Gospels in both Sahidic and Middle Egyptian dialects. Further portions of the Sahidic life of S. Pachomius; Liturgical fragments in both dialects, fragments with Gnostic formulæ; and lastly, a large number of valuable letters, lists and accounts.

2. An important palimpsest MS. bearing first, part of St. John's Gospel, in Middle Egyptian, with the Greek Text in parallel columns; then upon this apparently some sort of agricultural tables or calendar, with illustrations.

Corean MS.—An original Corean Examination Paper, written in Chinese, remarkable for the beauty of the calligraphy. The name of the candidate is concealed by folds of the right hand margin which are fastened down and inscribed with the examiner's sign-manual.

Hebrew Book.—The Song of Solomon in Hebrew, Greek, Latin, German, French, English and Spanish. Aguascalientes (in Mexico) 1891. 8°. (Probably the first Hebrew Book printed in Mexico or even South America.)

Hebrew MS.—A Hebrew Ritual Work, commonly entitled "Maharil." By Jacob Levi Molin. 1540.

Japanese Cards.—An interesting collection of 502 Japanese "Cards" commemorative of the annual festivals. Each "Card" consists of a coloured engraving by an artist of note, with congratulatory lines and phrases from celebrated writers. The engravings are from drawings by artists of 16th–19th centuries.

Pali MSS.—1. A handsome MS. in two volumes, each enclosed in richly gilded boards, containing the Tika-patthāna, a Pali work belonging to the Southern Buddhist Canon, and not yet edited. From the Royal Library at Mandalay. A modern MS. in an antique form of Burmese character.

2. A silver plate, containing auspicious verses from the Pali Scriptures. In Burmese character, with notes in Burmese. 18th century.

3. A rare Pali MS. containing the Sahassa-Vatthu, a collection of tales giving legends of persons and places, important for the history of early Buddhism. 19th century.

Persian MSS.—1. The Divan of Jāmi; dated A.H. 868 = A.D. 1463, *i.e.*, thirty years before the poet's death. Sm. fol.

2. The Divan of Shams i Tabrīz, with illuminated borders. 16th century. Fol.

3. Riyāz us-Siyāhat, an extensive work on Eastern Geography, with copious historical and biographical notices, by Zain ul-'Ābidin Shirvāni; A.H. 1242 (A.D. 1827). Fol.

4. Makhzan ul-Gharā'ib, a Tazkirah, or Biographical Dictionary of Persian poets, by Ahmad 'Ali Khan, the largest work of the kind in existence; A.H. 1218 (A.D. 1853). Fol.

5. Riyāz ush-Shu'arā, a similar work, by 'Ali Kuli Khan Dāghistāni. Fol.

6. Another Tazkirah, by Tāhir Nasīrābādi; A.H. 1017 (A.D. 1686). Sm. fol.

7. An account of the Inscriptions extant on the ancient Monuments of Delhi, with *facsimiles*, by Hāfiz ud-Dīn Ahmad. Fol.

8. Dārāb Nāmah, or the Romance of Darius, by Abu Tāhir al-Tarsūsi; with 155 miniatures. About A.D. 1630.

Syriac

Syriac MS.—A Syriac MS. containing Services for the Baptized, &c. 15th century. Some of the contents of this work were before unknown.

The number of Oriental Printed Books consulted by Readers during 1893 was 3511, and the number of Oriental MSS. consulted during the same period was 2,314.

Robert K. Douglas.

Department of Prints and Drawings.

I.—Arrangement and Cataloguing.

By arrangement with the heirs and executors of the late John Malcolm, Esq., of Poltalloch, and with the sanction of the Trustees, the celebrated Malcolm collection of drawings and engravings by Old Masters has been temporarily deposited in the Department of Prints and Drawings, on condition that it should be made accessible to students in the same manner as the collections belonging to the Department.

The drawings have since been examined and marked off in the printed catalogue, and the engravings examined, rearranged, and catalogued.

A series of drawings by Old Masters and a series of engravings of the Early German and Italian Schools, taken partly from the Malcolm and partly from the Departmental collections, has been selected and prepared for exhibition in the public gallery of the Department.

A series of duplicate engravings in seventy-five frames has been lent to the Aberdeen Artists' Society, and returned in good order.

The work of mounting the etchings by Rembrandt on sunk boards, for their better preservation, has been completed, and the entire collection arranged in the order of Middleton's catalogue in twenty royal and two imperial solander cases. The various states of the etchings have been marked off in Middleton's and Rovinski's catalogues, and a numerical list of the plates, with cross-references to the different published catalogues, has been drawn up.

The works of the founders of the art of mezzotint engraving, viz.: L. von Siegen, Prince Rupert, T. C. von Fürstenberg, J. Thomas, A. Blooteling, W. Vaillant, B. Vaillant, J. van Somer, P. van Somer, J. Verkolje, N. Verkolje, and G. Valck, have been taken in hand for mounting, with a view to their arrangement as a separate series, and the work has been nearly completed.

The entire collection of French etchings has been sorted and re-arranged.

The prints illustrating the works of French sculptors have been brought together and arranged in a separate portfolio.

The collection of portraits of David Garrick has been sorted and classified.

The collections of German, French, and Dutch portraits have been redistributed in new wrappers.

The supplementary series of the works of Hollar, Faithorne, Goltzius, Matham, Visscher, Schmidt, Callot, and various early Italian and Dutch engravers have been incorporated in the albums containing the main series.

The transcription for press of the detailed catalogue of the collection of Early Italian Prints has been continued.

The special catalogue of the collection of prints after Rubens has been completed.

The preparation of a catalogue of the collection of English Portraits has been continued, and the second division (Nobility) completed.

The preparation of an expanded index of artists of the French School, uniform with those of the Dutch, Flemish, and German Schools already printed, has been continued and nearly completed.

Two copies of the printed index of Dutch and Flemish artists have been cut up, mounted, and bound, with full references inserted, so as to form the working index of the Department.

The catalogue of the collection of fans and fan-leaves presented by Lady Charlotte Schreiber has been printed.

The preparation of an index of subjects represented by Italian artists of the Early and Renaissance Schools has been commenced.

The preparation of a catalogue of all the English mezzotints contained in the Department has been continued.

All books of prints and books of reference recently acquired have been indexed and placed.

Two hundred and ninety-three cross-references have been inserted in the catalogue of books of reference.

A list has been compiled of the books illustrated by the principal English engravers from 1800 to 1850.

The slips for a list of the foreign sale catalogues have been arranged and pasted down in chronological order, and an alphabetical index prepared.

The correction of references in the second copy of the general indexes of artists has been completed.

The transcription of entries in recent volumes of the Register on separate slips for painter, engraver, and subject has been continued.

Two thousand six hundred and thirty-six prints and drawings

ings recently acquired have been incorporated with the collections to which they severally belong.

Two thousand four hundred and thirty items have been entered in the Register of Acquisitions.

Four thousand four hundred and ninety-four prints, drawings, etc., have been impressed with the departmental stamp and references to the Register.

Six hundred and sixty-nine drawings and six hundred and fifty-three prints have been placed on sunk mounts, and five hundred and twenty prints and photographs have been mounted in the ordinary manner.

The number of students and visitors admitted to the Print Room during the year ending 31st December 1893 was 5,645.

Leave to photograph 998 objects in the collection was granted to 138 applicants.

II.—Additions.

The total number of prints, drawings, etc., acquired during the year was 3,026, of which the following are the most important:—

Italian School.

Drawings.

Anonymous (Venetian School). Design for a chalice, elaborately executed in pen and ink; engraved (under the name of Mantegna) by Hollar, when in the possession of the Earl of Arundel. From the Barnard, Lawrence, and Holford collections.

Bartolommeo, Fra. Virgin and Child, with angels, and three studies of heads; pen and ink. Formerly in the Spencer collection, and engraved (under the name of Perugino) in Ottley's "Italian School of Design."

Buonarroti, Michelangelo. Large and important cartoon for a composition of the Holy Family and Evangelists. *Presented by J. Wingfield Malcolm, Esq.*, C.B.

Pollaiuolo, Antonio. A prisoner brought before a judge; allegorical group of eight naked figures; pen and sepia.

Viti, Timoteo. A female head; fine drawing by the master in black chalk.

Etchings.

Tempesta, Antonio. Set of one hundred and fifty plates of subjects from Ovid's Metamorphoses.

Engravings.

Pavon, Ignazio. St. John the Divine; after Domenichino.

Toschi, Paolo. Virgin and Child, with St. Jerome; after Correggio; proof of the plate as it was left at Toschi's death.

Toschi, Paolo (School of). Two figures of Apostles; fresco by Correggio in the cupola of the church of San Giovanni, Parma; "remarque" proof.

Prints arranged to illustrate the Works of Masters.

Bellucci, Antonio. Cupid and Psyche; by V. Green; mezzotint.

Buonarroti, Michelangelo. The Last Judgment; by C. M. Metz; stipple; fifteen plates.

Carracci, Annibale. The Farnese Gallery; by G. Volpato; three plates; unfinished proofs.

Giordano, Luca. Sleeping nymph and satyr; by J. F. Clerk; mezzotint; proof before letters.

Pannini, Giovanni Paolo. Interior of the Pantheon at Rome; by J. S. Müller.

Sanzio, Raffaello. Descent of the Holy Ghost; by H. Carattoni. The Trinity; lunette of the fresco in San Severo at Perugia; by J. Keller. The Council of the Gods; from the Farnesina; by A. Ricciani. The Banquet of the Gods; from the Farnesina; by A. Campanella. The Resurrection; from the tapestries "della Scuola Nuova"; by R. Dalton, F. Vivares, and C. Grignion. St. John the Baptist, by V. Green; mezzotint. Madonna di San Sisto; photogravure. The Victory of Constantine over Maxentius; by F. Aquila; four plates.

German School.

Drawings.

Elsheimer, Adam. Christ bearing His Cross; water-colours. River scene with distant woodland; water-colours.

Holtzwyller, P. Two fantastic designs for armour, 1565; pen and ink. *Presented by Max Rosenheim, Esq.*

Etchings.

Austria, Anna Maria, Archduchess of. Thirteen plates of figures, animals, and landscapes.

Engravings.

Mair, Alexander. Five of the set of six emblematical plates "Memento Mori" (Andresen iii. 366). *Presented by A. W. Franks, Esq.*, C.B.

Quiter, Herman Hendrik. A sleeping infant; mezzotint.

Schmidt, Friedrich August. View of the Royal Exchange, London, 1822; coloured aquatint.

Solis, Virgilius. "Astrologia;" one of a set of plates of the Liberal Arts. "Astroloica" and "Grammatica;" two of another set of the Liberal Arts. *Presented by Lady Charlotte Schreiber.*

Woodcuts.

Gubitz, Friedrich Wilhelm. Eight progress proofs of a colour-printed portrait of Sophie, Gräfin von Voss.

Prints arranged to illustrate the Works of Masters.

Koella, Johann. Portrait of Verena Ryffel, wife of Koella; by J. E. Haid; mezzotint.

Dutch and Flemish Schools.

Drawings.

Beerstraaten, Anthonie. View of a town; pencil and water colours.

Brouwer, Adriaen. Card-players; pen sketch.

Eeckhout, Gerbrand van den. View on a canal; pen and ink.

Percelles, Jan. A ferry-boat; pen and ink.

Quast, Pieter Jansz. A fortune teller; pencil, on vellum.

Rademaker, Abraham. Temptation of St. Anthony; sepia.

Rubens, Peter Paul. Portrait of Elizabeth Brant, his first wife; black and red chalks, heightened with white. From the Lankrink, Thornhill, Clive, Richardson, Spencer, and Holford collections.

Ruysdael, Salomon van. View of a castle near a river; black chalk and water colours.

Thulden, Theodor van. "Quos Ego"; from the picture by Rubens; black and red chalk. Meeting of Ferdinand, King of Hungary, and Ferdinand, Infant of Spain; after Rubens; black and red chalk.

Engravings.

Bruggen, Jan van der. Portrait of himself; after N. de Largillière; mezzotint. Portrait of Madame Osorio de Velasco; after Largillière; mezzotint. The Flute Player; after D. Teniers; mezzotint.

Gole, Jacobus. Bacchus and Ariadne; mezzotint. Set of the Four Seasons; mezzotint.

Groot, Jan de. Ecce Homo; mezzotint.

Houbraken, Jacobus. Forty proofs of Dutch portraits.

Merica, Petrus à. Queen Elizabeth, as Diana, sitting in judgment on the Pope, as Calisto. *Presented by A. W. Franks, Esq.*, C.B.

Schenck, Pieter. The Musical Party; after Gerars; mezzotint.

Somer, Jan van. Lady seated at a table with a youth; mezzotint.

Vaillant, Wallerant. A lady at her toilet, with a cavalier; mezzotint.

Valck, Gerard. The message of David to Bathsheba; after B. Graat; mezzotint.

Verkolje, Johannes. "Pan and Pomona" and "Jupiter and Calisto"; both after C. Netscher; mezzotint; proofs

before the titles. Portrait of Queen Mary II. of England. Portrait of Martinus van Broeckellen.

Prints arranged to illustrate the Works of Masters.

Eeckhout, Gerbrand van der. The Winter of Life; by J. Greenwood; mezzotint.

FRENCH SCHOOL.

Drawing.

Watteau, Antoine. Portrait of an Abbé; red and black chalk. Formerly in the James collection.

Etchings.

Huet, Paul. "Eaux de Royat"; proof before letters. A wood with herons by a pool; vellum proof. *Presented by M. René P. Huet.*

Lithographs.

Adam, Victor. Eight illustrations to "Un An de la Vie de Jeune Homme," 1824.

Engravings.

Alix, Pierre Michel. View of Westminster Bridge; coloured aquatint.

Dequevauviller, François. Battle between La Surveillante and the Quebec, 6 October 1779. Battle off Martinique between Comte de La Motte and Admiral Hyde Parker, 18 December 1779.

Prints arranged to illustrate the Works of Masters.

Boullongne, Valentin de ("Moise Valentin"). "Peter denies Christ"; by J. Walker; mezzotint.

Delaroche, Paul. "Charles 1er"; by A. Martinet.

Detaille, Edouard. "Inauguration du Nouvel Opera"; proof of a woodcut, by A. Leveille. *Presented by M. Henri Beraldi.*

Lavreince, Nicolas. "La Comparaison"; by Janinet; coloured aquatint.

Vernet, Horace. "La Dernière Cartouche"; by Chollet.

ARTISTS OF FOREIGN SCHOOLS WORKING IN ENGLAND.

Drawings.

Cipriani, Giovanni Battista, R.A. Figure of Faith; crayons and water-colours. An old man protecting a woman and child; crayons.

Legros,

Legros, Alphonse. Study of the figure of the executioner in A. del Sarto's Beheading of St. John, fresco in the Scalzo, Florence; silver point. Portrait of Sidney Colvin, Esq.; silver point. *Presented by the Artist.*

Engravings.

Hollar, Wenceslaus. Archbishop Laud firing a cannon; the rare perfect state with the letterpress.

Müller, Johann Sebastian. Holy Family; after Murillo.

Schiavonetti, Luigi. The Canterbury Pilgrimage; after T. Stothard; the etching.

Vendramini, Giovanni. St. John the Baptist; after Raphael; proof before letters.

Prints arranged to illustrate the Works of Masters.

Dyck, Anthonie van. Time clipping the wings of Love; by V. Green, mezzotint.

Mercier, Philippe. Three children of Frederick, Prince of Wales; by J. Faber, mezzotint.

ENGLISH SCHOOL.

Drawings.

Bonington, Richard Parkes. View of old London Bridge; water-colours.

Brown, Ford Madox, Study for the picture, "Joseph's Coat"; pen and ink.

Carpenter, Margaret. Portrait of Gambier Parry; crayons. Portrait of Henrietta Shuckburgh; crayons. Portrait of William H. Carpenter; water-colours. Portrait of Margaret Carpenter; water-colours. Portrait of Sarah Coleridge; charcoal. *Presented by Miss Carpenter.*

Clift, William. Forty-eight drawings, chiefly portraits; in pencil and water-colours. *Presented by the Executors of the late Sir Richard Owen,* K.C.B., F.R.S.

Duncan, Edward. Eight studies of figures of fishermen; water-colours.

Hart, Solomon Alexander, R.A. Hannah and Eli; pen and ink. Head of a monk; pen and ink.

Havell, William. View on the Thames; water-colours.

Hayls, John. Portrait of a lady in the character of a shepherdess; pen and Indian ink.

Henderson, John, senior. Portrait of Dr. Monro; pencil. *Presented by Colonel Kennett Henderson.*

Hogarth, William. Portrait of Simon, Lord Lovat; black and white chalk.

Houghton, Arthur Boyd. "The Chronicles being read to the King;" illustration to "Arabian Nights"; drawn on a wood block.

Howitt, Samuel. The Anglers; water-colours.

Ince, Joseph Murray. High-street, Oxford; water-colours. Old church and cross at Cheddar; water-colours.

Keene, Charles. "May. British Museum closes"; crayons. "Caught by the Pelisse (Police)"; crayons.

Leech, John. "Children of the Mobility"; pencil. "The Parting Breakfast"; design for an illustration to Dickens's "The Battle of Life"; pencil.

Maclise, Daniel, R.A. Portrait of Letitia Elizabeth Landon; water-colours; original of the plate in "Fraser's Magazine." *Presented by Rev. James Fraser.*

O'Connor, John. View of the Borghese Fountain, Rome; water-colours. View of St. Paul's Cathedral from Waterloo Bridge; water-colours. Study of aloes; water-colours. *Presented by Mrs. O'Connor.*

Pinwell, George John. Five book illustrations drawn on the wood blocks.

Prout, Samuel. Rood-screen in church of San Martino, Venice; pencil and water-colours.

Shee, Sir Martin Archer, P.R.A. Portrait of John Williams ("Anthony Pasquin"); water-colours.

Solomon, Abraham. Two sketches for "Academy for instruction in the use of the Fan," illustrating Addison's paper in the "Spectator"; black chalk, heightened with white. *Presented by T. Ballard, Esq.*

Sullivan, Luke. View of Wooburn, Surrey; pen and Indian ink.

Thackeray, William Makepeace. Four original designs for illustrations to "Fraser's Magazine"; pen and ink. *Presented by Rev. James Fraser.* Interior of a coach; pen and ink.

Walker, Frederick, A.R.A. Domestic scene; sketch in pencil and water-colours. *Presented by T. Ballard, Esq.* "The Dame's School" and "Autumn"; two drawings on wood blocks.

Wilson, Richard, R.A. An Italian landscape; black chalk touched with white.

Wirgman, Theodore Blake. Portrait of George Chinnery; black chalk.

Etchings.

Alken, Henry. "Sporting Sketches"; a set of forty-seven plates.

Landseer, Thomas, R.A. Twenty-three Indian scenes.

Nasmyth, Alexander. A collection of seventy plates, by Nasmyth and his daughters.

Prout, Samuel. Twelve studies of boats; coloured.

Sherlock, William P. A series of thirty-nine landscapes, after various artists.

Smith, Alfred. "A Listener never hears any good of himself"; after T. Faed; first state of the plate by T. L. Atkinson.

Atkinson. "From Dawn to Sunset"; after T. Faed; first state of the plate by S. Cousins. "Egg Gatherers" and "The Emigrant's Letter"; after J. C. Hook; first states of the plates by T. L. Atkinson.

Lithographs.

Shannon, C. H. Set of six original lithographs, in a portfolio. *Presented by the Artist.*

Woodcuts.

Utting, R. B. Gems and other antiquities; a collection of sixty-eight proofs. *Presented by W. Wileman, Esq.*

Engravings.

Blake, William. Frontispiece to "An Elegy, set to music by Thomas Commins, organist of Penzance, Cornwall"; with the music; coloured.

Bromley, John. Juliet; after Louisa Sharpe; mezzotint.

Burnet, John. "Tam o' Shanter"; mezzotint; proof before letters.

Collyer, Joseph, A.R.A. Dutch Festival; after D. Teniers; the etching.

Cousen, John. Segovia; after D. Roberts; proof before letters.

Cousins, Samuel, R.A. "Midsummer Night's Dream"; after E. Landseer. "Biondina"; after F. Leighton. "Pomona"; after J. E. Millais; artist's proof. Portrait of Rev. Ashurst Turner Gilbert, Bishop of Chichester; after T. Phillips; signed artist's proof. Portrait of Donald M'Lean, M.P.; after J. Bridges; mezzotint.

Dickinson, William. Portrait of Lady Charlotte Bertie; after W. Peters; mezzotint.

Dixon, John. Count Ugolino; after Reynolds; mezzotint; proof before letters.

Earlom, Richard. Portrait of Lady Hamilton, as Sensibility: after Romney; stipple; proof before letters. *Presented by Messrs. Deprez and Gutekunst.* "A Herb Market" and "A Fruit Market"; after Snyders and "Lange Jan"; mezzotint. "Meleager and Atalanta"; after R. Wilson; mezzotint; proof with scratched letters. Colonel Mordaunt's Cockfight; after Zoffany; mezzotint; the etching.

Faber, John, Portrait of Gomes de Mesquita; after Da Silva; mezzotint; proof before letters.

Fry, William Thomas. A genealogical chart of the Kings and Queens of England from William the Conqueror to George IV.; stipple; coloured.

Green, Valentine. Portrait of Elizabeth, Lady Pennyman; after E. F. Calze; mezzotint; proof with scratched letters. "The Satyr and the Peasant"; after Jordaens; mezzotint.

June, John. The Months; figures of ladies; twelve plates, mounted in a volume.

Kirkall, Elisha. Æneas rescuing his father; after Raphael; mezzotint.

Landseer, Thomas, R.A. The Lady and Spaniels; after E. Landseer; trial proof of the etching.

Lucas, David. Salisbury Cathedral; after J. Constable; mezzotint; unique early proof, before the reapers and church on the right were introduced, before the rainbow was enlarged, &c.; from Miss Constable's collection.

Lupton, Thomas Goff. Flora Macdonald; after J. Gambaud; mezzotint; proof with open letters.

Murray, J. G. "Archbishop Langton presenting to the Barons the old Charter of Henry I."; after A. W. Devis; mezzotint.

Reynolds, Samuel William. Portrait of C. N. Pallmer, M.P.; mezzotint; touched proof. Portrait of Princess Charlotte; after G. Dawe; mezzotint.

Sherborn, Charles William. Thirty-one proofs of bookplates, engraved from his own designs. *Presented by the Artist.*

Skelton, William. Angels appearing to the shepherds; after T. Stothard; proof before letters.

Smith, John. View of Rheinstein; after C. Stanfield; proof before letters.

Smith, John Raphael. The Clavering Children; after Romney; mezzotint. "Fanny, Maid of the Mill"; mezzotint; coloured.

Stephenson, James. "The Prince of Wales in College Gown"; after J. W. Gordon; mezzotint; proof before letters.

Vertue, George. Portrait of a gentleman; after Verelst; proof before letters.

Wallis, Robert. Eight unfinished proofs of plates after D. Roberts, C. Stanfield, and J. M. W. Turner.

Ward, William. "The Romps" and "The Truant"; a pair; after W. R. Bigg; mezzotint. "The Blind Beggar of Bednall Green"; after W. Owen; mezzotint.

Watson, James. Portrait of Miss Beatson; after C. Read; mezzotint; proof before letters.

Webb, Joseph. Mrs. Siddons as the Tragic Muse; after Sir J. Reynolds; the etching.

Prints arranged to illustrate the Works of Masters.

Landseer, Sir Edwin, R.A. The Monarch of the Glen; by T. Landseer; proof before letters.

Martin, John. The Paphian Bower; by G. H. Phillips; mezzotint; proof before letters.

Millais, Sir John Everett, R.A. Ophelia; by J. Stephenson; mezzotint; proof before letters.

Plimer,

Plimer, Andrew. "The Charming Sisters"; portraits of Anne, Harriet, and Elizabeth Rushout; by G. Stodart. *Presented by F. B. Daniell, Esq.*

Turner, Joseph Mallord William, R.A. A collection of one hundred and two line engravings, mezzotints, aquatints, and lithographs, mostly in proof states.

Walmesley, Thomas. Two views in Bohemia; by Bluck; coloured aquatints.

Wehnert, Edward Henry. "Caxton examining the first proof sheet from his press in Westminster Abbey, 1474"; by F. Bacon; proof before letters.

American School.

Etchings.

Farrer, Thomas Cecil. Seven landscapes; artist's proofs. *Presented by Mrs. Farrer.*

Engravings.

Sartain, John. Portrait of Professor James J. Mapes, of Philadelphia; proof before letters.

Smillie, James D. The Rocky Mountains; after A. Bierstadt; proof before letters. *Presented by J. D. Smillie, Esq.*

Modern Prints Presented By Publishers.

The Trustees have received from Messrs. T. Agnew and Sons, of Old Bond-street, artists' proofs of the following prints recently published by them:—

Burne-Jones, Edward. "Flamma Vestalis"; etching by E. Gaujean.

Caldecott, Randolph. "The Rivals"; etching by E. Gaujean. "'Twas the fiddler played it wrong;" etching by E. Gaujean.

Dicksee, Frank, R.A. "Vows"; by E. Gaujean.

Gainsborough, Thomas, R.A. "Beggar Boys"; by R. S. Clouston; mezzotint.

Holl, Frank, R.A. Portrait of Earl Spencer, K.G.; by Gerald Robinson; mezzotint.

Hoppner, John, R.A. Portrait of Princess Mary; by Gerald Robinson; mezzotint. Portrait of Princess Sophia; by G. Robinson; mezzotint. Portrait of the Countess of Oxford; by R. S. Clouston; mezzotint.

Landseer, Sir Edwin, R.A. "The Honeymoon"; by J. B. Pratt. Trim; by J. B. Pratt. "The Swannery invaded by Eagles;" by J. B. Pratt.

Lawrence, Sir Thomas, P.R.A. Portrait of Lady Nugent; by M. Cormack; mezzotint.

Leader, Benjamin Williams, A.R.A. "Parting Day;" etching by A. Brunet-Debaines.

Leslie, George Dunlop, R.A. "Home, Sweet Home;" by F. Stacpoole; mezzotint.

Marks, Henry Stacey, R.A. "A Good Story;" etching by E. Gaujean.

Millais, Sir John, R.A. "Over the hills and far away;" etching by A. Brunet-Debaines. "Murthly Moss;" etching by A. Brunet-Debaines. "The Nest;" by G. H. Every; mezzotint. "Lilacs;" by G. H. Every; mezzotint.

Müller, W. "Eel-bucks at Goring;" etching by Brunet-Debaines.

Rivière, Briton, R.A. "Stolen Kisses;" by J. B. Pratt. "Daniel's answer to the King;" by J. B. Pratt. "Playfellows;" by F. Stacpoole.

Rossetti, Dante Gabriel. "Ancilla Domini;" etching by E. Gaujean.

Sadler, Walter Dendy. "The Widow's Birthday;" etching by E. Gaujean.

Walker, Frederick, A.R.A. "Autumn," "Spring," "The First Swallow," "The Bathers," "The Plough;" etchings by R. W. Macbeth.

Wontner, W. "Madeline;" by J. C. Webb; mezzotint.

Macallum, Hamilton. "A Kiss from the Sea;" original etching.

Macbeth, Robert Walker, A.R.A. "The Fen Farm;" original etching.

Vecellio, Tiziano. "La Bella;" etching by Laguillermie.

The Trustees have also received from Mr. L. H. Lefèvre, of King-street, St. James's, artists' proofs of the following plates published by his firm during the year:—

Alma-Tadema, Lawrence, R.A. "Dedication to Bacchus;" by A. Blanchard.

Bonheur, Rosa. "After a Storm in the Highlands;" by J. B. Pratt.

Graham, Peter, R.A. "Morning Mists;" etching by A. Brunet-Debaines.

Sadler, Walter Dendy. "His favourite Bin," "The Butler's Glass," "Doubtful Bottle," "Sweethearts;" etchings by W. H. Boucher.

Portraits.

Foreign.

Alexander II. of Russia; after A. E. Chalon, by H. Cousins; mezzotint.

Brunswick, August Wilhelm, Duke of; after Franche, by J. Faber; mezzotint.

Louis XVIII., when Comte de Provence; after Madame Le Brun by W. Pether; mezzotint.

Photius, Russian Archimandrite; after G. Dawe, by H. Dawe; mezzotint.

Reichert, Veit; by J. F. Leonart; mezzotint.

Reverhorst, Mauritius van; by P. Schenck; mezzotint.

English.

Baker, Madam; after Kneller, by I. Beckett; mezzotint; first state.

Baxter, Richard; anonymous mezzotint.

Bute, John, Earl of, K.G.; after A. Ramsay, by W. W. Ryland.

Charles I.; after A. van Dyck, by I. Beckett; mezzotint.

Charles Edward, the Young Pretender, as "The Young Pied Piper;" by E. Kirkall; mezzotint.

Dingley, Robert; after W. Hoare, by J. Dixon; mezzotint.

Keith, Sir Robert Murray; after A. Graff, by J. Jacobé; mezzotint.

Lake, Arthur, Bishop of Bath and Wells; by J. Payne.

Lowe, Sir Hudson; after J. N. Frémy, by Fontaine. *Presented by A. W. Franks, Esq.*, C.B.

Outram, Joseph; after C. Drummond, by J. R. Smith; mezzotint; proof before letters.

Page, Sir Francis; after C. D'Agar, by G. Vertue.

Philippa, Queen; after T. Murray, by J. Faber; mezzotint.

Probyn, Sir Edmund; by J. Faber; mezzotint.

Sacheverell, Henry, D.D.; after T. Gibson, by P. Schenck; mezzotint.

Shakspeare, William; twenty various plates.

Stannard, Eaton; after J. Latham, by A. Miller; mezzotint.

Wesley, John; after G. Romney, by J. Spilsbury; mezzotint.

Westmorland, Sarah Anne Child, Countess of; by Bartolozzi; recent impression from an unpublished plate in the possession of Lady Rose Weigall. *Presented by Hon. Gerald Ponsonby.*

William III.; by J. Gole; mezzotint.

HISTORY.

The Remains of Lord Nelson lying in state at Greenwich; after C. A. Pugin, by M. Merigot; coloured aquatint.

The Funeral Procession of Lord Nelson from Greenwich to Whitehall; after C. A. Pugin, by J. Hill; coloured aquatint.

Rentrée de Napoleon le Grand dans le Capitale de l'Empire Français le 15 Aôut 1807; by L. F. Mariage; stipple.

Sets and Collections.

Eighteen water-colour drawings of costume, regalia, &c.; by B. Lens, G. Grisoni, J. Talman, and others; mounted in a volume.

Eighty-one engraved portraits, chiefly of members of the Royal Houses of France.

Twenty-four portraits of members of the Russian Imperial Family; after H. Benner, by J. Mécou, F. John, C. Johannot, and Coupé.

Two hundred and twenty engraved portraits, chiefly of English artists.

Thirty-one plates, chiefly portraits, by A. B. Durand, Alfred Jones, and J. W. Casilear; after various American painters. *Presented by J. Durand, Esq.*

Thirteen proofs of portraits etched and engraved by the American artists, S. J. Ferris, A. B. Hall, D. Edwin, and H. W. Smith. *Presented by C. H. Hart, Esq.*

A collection of engraved games, consisting of one hundred and thirty-eight prints in two albums and twenty-four separate pieces. *Presented by Lady Charlotte Schreiber.*

Thirteen fans and five fan-leaves. *Presented by Lady Charlotte Schreiber.*

Photographs.

Two hundred and fifty-two phototype reproductions of drawings by the old masters in the Uffizi, Florence.

Books of Prints.

Amman, Jobst. "Kunnst und Lehrbüchlein;" the scarce first edition of the first part, 1578, and the second part, 1580; with 170 woodcuts.

Cole, Timothy. "Old Italian Masters;" 68 woodcuts; on Japanese paper; 1892.

Pillement, Jean. "Oeuvre de J. P. Peintre et Dessinateur célèbre," &c.; 172 plates by various engravers.

Schreiber, Lady Charlotte. "Playing Cards, Vol. II., French and German;" with 154 plates. *Presented by the Author.*

Sidney Colvin.

Department of Egyptian and Assyrian Antiquities.

I.—*Arrangement, Cataloguing, etc.*

Egyptian Antiquities:—

The general re-arrangement of the Egyptian Collection has been proceeded with, and a number of important objects acquired during this year have been incorporated.

The

The granite shrine set up at Philæ by Ptolemy IX, King of Egypt, B.C. 171–117, presented by the Egyptian Government in 1893, has been mounted on a brick and granite pedestal. Three hundred and fourteen labels have been written and painted; fifteen stelae have been mounted in oak frames; thirty-six wooden labels have been prepared and painted; twenty-four vases have been mounted on stands; six hundred and six objects have been mounted on plinths and pedestals; the coffins presented by the Egyptian Government have been repaired, and iron standards and blocks have been fitted in the exhibition cases to hold them; two moulds and twenty-four paper "squeezes" for plaster casts have been made.

Eight hundred and fourteen objects of the different collections have been registered.

The preparation of the plates for the second edition of the *Papyrus of Ani* has been continued, and eighteen sheets of the transcript of the text and translation have been passed for press.

Assyrian Antiquities:

The re-arrangement of the Assyrian bas-reliefs in the basement has been completed, and the room has been re-opened to the public.

The general re-arrangement of the tablets has been continued. Three hundred and seventy-seven tablets have been repaired; five thousand and forty-three have been placed in numbered boxes; three hundred and fourteen "joins" have been made; and the case list for the Assyrian Room has been continued.

Sixteen hundred and eighty-nine copies of fragments of the 82-7-14 collection have been made; and six thousand three hundred and fifty tablets have been registered.

Six hundred casts of cylinder seals have been made.

The third volume of the *Catalogue of the Cuneiform Tablets in the Kouyunjik Collection*, by Dr. C. Bezold, has been published, and ten sheets of the fourth volume have been passed for press.

Phœnician and Cyprian Antiquities:—

The arrangement of the Semitic inscriptions and Cyprian antiquities has been completed, and the exhibition rooms have been re-opened to the public. A description of them has been written for the General Guide.

Students:—

One thousand six hundred and nineteen visits have been made to the Egyptian and Assyrian Department by students

and others. They have been assisted in their researches; and twenty thousand two hundred and forty-six objects have been issued to them for study.

II.—*Acquisitions.—Purchases.*

i. Egyptian:

1. Seated limestone figure of an official called Nefer-hi; of the IVth dynasty; about B.C. 3766. From Sakkârah.
2. A door from the tomb of Khnemu-hetep, at Sakkârah, of the reign of Userkaf, a king of the Vth dynasty; about B.C. 3566.
3. A door from the tomb of Sennu, a priestly official who flourished in the early part of the VIth dynasty; about B.C. 3200.
4. White limestone shrine dedicated to Osiris by Pa-suten-se, an official who lived during the reign of Amen-em-hāt IV.; about B.C. 2266. The shrine was opened in ancient days, and the statue of the god which had been placed therein was removed. From Mêdûm.
5. Granite altar dedicated to the temple of Amen in the Apts (Karnak), by Amāsis I., the first king of the XVIIIth dynasty; about B.C. 1700. From Karnak.
6. Head of a black granite statue of a queen of XVIIIth dynasty. From Thebes.
7. Green basalt statue of Harua, an official in the service of Queen Amenartas, wife of Piankhi, an Ethiopian King of Egypt; about B.C. 650. From Kurna.
8. Upper portion of a limestone statue of a priestess of Isis; about B.C. 400. From Sakkârah.
9. Fragment of a granite statue of a priest holding a shrine, on the back and sides of which is a portion of a trilingual inscription in hieroglyphics, Greek and Latin; of the Ptolemaic period. Found at Tyre.
10. Limestone stele of Katchkatcha, inscribed with a hymn to Rā-Harmakhis; of the XVIIIth dynasty; about B.C. 1500. From Akhmîm.
11. Three limestone stelae, with rounded tops, inscribed with figures of the deceased persons for whom they were made adoring the rising and setting sun; the texts are hymns based upon the XVth

XVth chapter of the Book of the Dead. Of the XXIInd dynasty; about B.C. 900. From Akhmîm.

12. Ten alabaster vases and bowls for holding stibium and unguents; of the XVIIIth dynasty; about B.C. 1600. From Abydos and Thebes.

13. Large alabaster bowl, of unusual shape and size, inscribed with the cartouches of Kashta and Queen Amenartas, wife of Piankhi, King of Egypt; about B.C. 650. This is the only object of its class in the National Collection. From Thebes.

14. A dog in porphyry. Roman period.

15. A flint knife, measuring 13½ inches in length; this is probably the largest object of its kind hitherto found in Egypt.

16. Bronze figure of Osiris, with inlaid gold collar, and handsomely chased with figures of a winged hawk, beetle, etc.; very fine work. XIXth or XXth dynasty; about B.C. 1200.

17. Bronze statue of the goddess Sekhet; the largest of its kind in the Museum; of the XXIInd dynasty. From Lower Egypt.

18. Bronze mirror, with handle in the shape of Hathor's head. From Akhmîm.

19. Two bronze axe-heads. From Thebes.

20. Bronze model of the scimitar, called *khepesh;* of the XXIInd dynasty.

21. Bronze model of a sistrum; of the XXIInd dynasty.

22. A series of fine bronze figures of the gods and goddesses Ptah, Harpocrates, Anubis, Neith, Isis suckling Horus, etc.; of the XXIInd dynasty. From Lower Egypt.

23. Bronze box, with silver hinges, the cover of which is inlaid with a hieroglyphic inscription in silver recording the titles of a king of the XXVIth dynasty; about B.C. 550. On the cover is inlaid a scene in which a king is depicted adoring an Apis bull. This is a rare and very valuable example of Egyptian inlaid metal work, of which very few examples have been discovered.

24. Bronze Coptic cross, ornamented with birds and letters. Christian work of the Vth or VIth century. From Akhmîm.

25. Two gold rings of the XXIInd dynasty (?).

26. Silver ring, inscribed with the cartouches of Shishak and Psammetichus; of the XXVIth dynasty; about B.C. 550. From Lower Egypt.

27. A gold pendant box, chased with zigzag pattern; about B.C. 400.

28. A handsome necklace of gold and carmelian beads, with inlaid pendant, uraei, etc.; of the Ptolemaic period; about B.C. 200.

29. A gold diadem, inscribed with mythological figures in outline; Phœnician work. From Sidon.

30. Rock crystal ibis and star for inlaying; of the Ptolemaic period.

31. Twenty-two celt-shaped lapis and agate beads banded with gold; of the Ptolemaic period.

32. A collection of small glazed *faïence* figures of gods, cartouches, etc.; of the XVIIIth dynasty. From Tell el-Amarna.

33. A handsome blue glazed *faïence* pylon-shaped pectoral, inscribed with figures of Anubis, the *tat* and the buckle; of the XXIst dynasty. From Thebes.

33A. Red terra-cotta kneeling figure of a scribe of the treasury of Amen; about B.C. 1000. From Thebes.

34. Ten blue and green glazed *faïence* bowls and vases of various shapes; about B.C. 800–600. From Tell el-Amarna.

35. Seven green glazed *faïence* draughtsmen, in the form of the head of Anubis, the god of the dead, and ten draughtsmen in the form of Bes, the god of pleasure; about B.C. 550. From Sakkârah.

36. Green glazed flat *faïence* bottle, inscribed with a figure of the cow of Hathor; on the flat edge are prayers that Amen and Isis may grant a happy life to its possessor; about B.C. 550.

37. Two red terra-cotta models of loaves of bread, inscribed with the name of An-heru-mes. From Thebes.

38. Two red terra-cotta vases in the shape of seated women. These are good examples of this class of object. From Sakhârah.

39. Seven painted plaster heads for laying upon coffins; the faces are painted, and the eyes are inland

inland with crystal and obsidian. Græco-Roman period; about A.D. 300.

40. Terra-cotta mould for making figures of Sekhet. From Akhmîm.

41. Twelve hundred and fifty astroka, inscribed in Greek and Demotic. From Karnak and Elephantine.

42. A wooden box, containing sandals, cushions, comb, shell, *Kohl* pot and stick, hair pin, alabaster jars full of unguents, etc., which belonged to Ani's wife Thuthu, a priestess of Amen; about B.C. 1400.

44. Two boxes for holding stone and wooden *ushabtiu* figures of the lady Anhai, a priestess of Amen; about B.C. 900. The Book of the Dead, written for this lady, was purchased by the Museum some years ago. From Thebes.

45. Painted wooden coffin of a priestess of Amen; about B.C. 900. From Dêr el-Baḥari.

46. Painted wooden coffin of Pen-sennu, son of Shaq-shaq; after B.C. 500. From Thebes.

47. Rectangular wooden coffin, and mummy with gilded face; of the Christian period.

48. Hard wood leg of a chair or throne in the shape of a sphinx seated; of the Ptolemaic period.

49. Large painted wooden inscribed scarab from a mummy; of a late period. From Akhmîm.

50. Wooden figure of a man driving a bull. From Akhmîm.

51. Five fragments of papyri inscribed in Demotic.

52. Two silken mummy (?) bandages inscribed in Arabic in Cufic characters; of the VIIIth—Xth century, A.D. From Akhmîm.

53. A cast of the famous wooden statue of the IVth dynasty, generally known as the Shêkh el-Beled.

ii. Assyrian:—

1. Fragment of a tablet, inscribed in Persian cuneiform; a rare object.

2. A hæmatite cylinder seal, inscribed with figures of the Sun-god and mythological beings, and the sacred tree. Very fine work; about B.C. 500.

3. Six Babylonian cylinder seals, inscribed with proper names, etc.

4. Eighteen fine terra-cotta cones, inscribed with the names of Urbau and Gudea, kings of Babylonia; about B.C. 2500.

5. A large pink stone Assyrian cylinder seal; late work.

6. Two portions of stone mouldings from the palace of one of the Persian kings at Hamadan, with trilingual cuneiform inscription in Persian, Median, and Babylonian; on the larger fragment the Susian version is wanting, and on the smaller the Persian. The text states that Artaxerxes Mnemon (B.C. 405–362) built a hall in his palace under the favour of the gods Ahuramazda, Anaitis, and Mithras.

7. Fragment of a barrel cylinder of Shamash-shum-ukin, which probably joins a fragment of a cylinder of this king already in the Museum. Shamash-shum-ukin reigned at Babylon B.C. 668–648.

8. A list of royal flocks and herds.

9. A list of offerings to the gods of Babylon.

10. Green granite tablet of Dungi, King of Babylon, B.C. 2500.

11. Fragment of a hexagonal cylinder of Esarhaddon, King of Assyria, B.C. 681-668.

12. Diorite boundary stone, in the text on which Shamash-shum-ukin, King of Babylon, B.C. 668–648, is mentioned.

13. A collection of about 560 Babylonian contract tablets of various periods.

14. A collection of fifty contract and other tablets of various periods.

15. Fifteen contract tablets of the reign of Ammi-zaduga, King of Babylonia; about B.C., 2100.

16. Bronze lion's head from the pole of a chariot; from Babylonia.

Presents.

1. Granite shrine, inscribed with the name and titles of Ptolemy IX., Physcon, King of Egypt, B.C. 171–117, and of Cleopatra his wife. This shrine was found lying on its side among the ruins of an ancient Coptic church at Philæ, in Upper Egypt, where it had formed the platform upon which stood the altar. In the hollow upper part of the shrine a hawk, the emblem of the Sun-god

Sun-god was caged, or was placed there during great festivals; it was screened from the gaze of the worshippers until a certain moment by doors, the bolt-sockets of which still remain. Strabo, the geographer, records that he saw a hawk in a pining condition in a shrine at Philæ.

Presented by the Egyptian Government.

2. Coffin of Ta-ah-titi, a priestess of Amen-Rā at Thebes.

3. Coffin of Bak-en-Mut, a "divine father" of Amen-Rā at Thebes.

4. Outer and inner coffins of Thent-hen-f, a priestess of Amen-Rā at Thebes.

5. Coffin of Ta-usert-em-suten-pa, a priestess of Amen-Rā at Thebes.

6. Two coffins of priestesses of Amen-Rā; the spaces left for their names by the artist have not been filled.

The above coffins were exhumed from a pit at Dêrel-Bahari, on the west bank of the Nile, opposite the site of ancient Thebes, by M. Grébaut, formerly Director of the Egyptian Museum at Gîzeh, in 1891. In the same place MM. Maspero and Brugsch discovered the mummies of Thothmes III., Seti I., Rameses II., and of several other kings, in 1881; and it seems that they, and the mummies of the priests and priestesses of Amen-Rā, were removed there hastily, when, owing to loss of influence and power, the confraternity of Amen was compelled to take refuge in Nubia, in the ninth century before Christ. It is not possible to fix an exact date for the establishment of the brotherhood of the priests of Amen, but it is certain that they gained power during the reign of Amenophis I., B.C. 1666, and that for about six hundred years this power increased until they made themselves sacerdotally and politically the strongest influence in Egypt. The high priests of Amen became eventually kings of Thebes, but they soon found their position untenable, and the funeral furniture of the members of the brotherhood is all that now remains to mark their rule. The archæological importance of the coffins of the priests of Amen is very great; and this group helps to fill a gap in the national collection.

7. Ninety-two glazed *faïence* and terra-cotta *ushabtiu* figures of priests and priestesses of Amen. Among them are specimens of a class which is unrepresented in the national collection.
8. White painted wooden *ushabti* box of Nes-neb-taui, a priestess of Amen.
9. White painted *ushabti* box of Ausetit; fragments of the cords and seals by which the covers were fastened still remaining.
10. White painted *ushabti* box uninscribed.

Presented by the Egyptian Government.

11. Liver-coloured carnelian cylinder seal, inscribed with a tree and winged animal.

Presented by A. W. Franks, Esq., C.B., Litt.D., P.S.A., F.R.S.

12. Three hundred Greek and Demotic Ostraka.

Presented by the Rev. Chauncey Murch.

13. Fragment of a skull with gilded face; from Dêr-el-Bahari. Fore-arm of a mummy; from Medînet Habu. Cartonnage covering of a mummy.

Presented by Lieut.-Col. Sir A. Leach, R.E.

14. Fragment of a bas-relief, inscribed with the cartouche of a "royal son. From Gebelên.
Bronze stopper weighted with lead. From Zakâzîk.
Bronze augur. From Shibîn el-Kanâtîr.

Presented by G. Willoughby Fraser, Esq., F.S.A.

15. Mummy and coffin of Ankh-pa-khrat, the son of Ankh-f-en-Khonsu and Mut-hetepet, a priest of Amen at Thebes.

Presented by His Grace the Duke of Sutherland, K.G.

16. Three terra-cotta moulds for making bezels of kings, inscribed with names of royal personages of the XVIIIth dynasty. From Tell el-Amarna.

Presented by Percy Newberry, Esq.

17. Sandstone stele of a superintendent of boats, who lived during the reign of Usertsen I., B.C. 2366. From Wâdy Halfah.
Large inscribed stele of the same date. From Wady Halfah.
Fifteen granite and basalt weights. From Wâdy Halfah.

Presented by Captain H. G. Lyons, R.E.

E. A. Wallis Budge.

Department of Greek and Roman Antiquities.

I.—*Arrangement, Cataloguing, etc.*

The arrangement of the Mausoleum Room has been nearly completed, one of the columns with its entablature and part of the coffered ceiling having been erected, three of the lions moved and remounted, and two marble pedestals prepared for the colossal horses of the *quadriga;* the sculptures and architectural members from Prienè have been rearranged and remounted; the capital of one of the *antæ* of the temple restored and mounted; the sculptures in the Græco-Roman Basement have been rearranged, and the plinths and pedestals repaired; certain of the sculptures in the Ephesus Room have been moved; six new marble pedestals have been prepared for sculptures, and a marble head repaired and mounted; plinths and fittings have been prepared for the Room of Greek and Latin inscriptions, and the cast of the Lycian inscribed monument re-erected in the old Inscription Room; one *stele,* two sepulchral tablets, and 14 inscriptions have been mounted on stone plinths; a terra-cotta cornice from Civita Lavinia has been restored and mounted on slate; the wall-cases on either side of the Medal Room door in the Etruscan Saloon have been fitted up, and cases 26—31 prepared for terra-cotta antiquities from Cervetri and Civita Lavinia; three terra-cotta panels repaired and mounted, four oak and seven pine pedestals, and a stand for drawings of the Prienè temple have been prepared; two drawings of the Mausoleum mounted and framed; four gems, two bronze pumps, and a porcelain vase mounted; 45 vases and two terra-cottas cleaned and repaired, a series of fragments of pottery from Naucratis cleaned, repaired, and remounted; new blinds have been put up in the Etruscan Saloon and Terra-cotta Room, and the fittings altered; 1,045 vases have been catalogued; 208 objects registered; 230 photographs made; 283 descriptive titles written and attached to objects; 12 sets of casts of select gems for presentation verified; Volume II. of the Catalogue of Vases, and Part IV., Section I. of the "Ancient Greek Inscriptions" have been completed; 62 photographic reproductions of interiors of *kylikes* have been made and exhibited in the Third Vase Room; a publication of the same entitled "Designs on Greek Vases" is in progress; and progress has also been made with Volume II. of the Catalogue of Sculpture, and with Vols. III. and IV. of the Catalogue of Vases.

II.—*Acquisitions.*

By Donation.

I.—Limestone statuette of draped figure, perhaps a Nereid. *Tarentum.*

Presented by J. Reddie Anderson, Esq.

II.—Paste intaglio, Silenus and youthful Satyr. *Ravenna.*

Presented by the Countess of Cavan.

III.—*Lekythos* of black ware, with stamped patterns, said to have been found at *Mazi, near Olympia.*

Presented by A. F. Buxton, Esq.

IV.—Small marble altar, inscribed *ἱαρὸς πάντων Θεῶν ὅδε βωμός. From Janina; said to have been found at Dodona.*

Presented by the late Mons. W. H. Waddington.

V.—Five fragments of archaic bronze plates with embossed patterns (Journal of Hellenic Studies, XIII., p. 250 ff.) *Eleutheræ, Bœotia.*

Presented by A. G. Bather, Esq.

VI.—Ivory stylus. *Eretria.*

Presented by Mr. E. Geladakis.

VII.—Cast of marble head (Waldstein, Excavations at the Heraion, pl. 2). *Heraion, Argos.*

Presented by the Committee of the American School of Archæology, Athens.

VIII.—A series of antiquities from Lord Savile's excavations at Civita Lavinia (Lanuvium) including :—

1. Fragments of sculpture and of architecture in marble, fragmentary inscriptions on marble.

2. Stone block, with inscription.

3. Stone sundial.

4. Terra-cotta tile.

5. Terra-cotta antefix, representing Satyr and Mænad looking for the advent of Dionysos (Journ. of Hell. Stud. XIII., p. 315; Furtwängler, Meisterw. d. gr. Plastik, p. 251).

6. Fragments

6. Fragments of terra-cotta antefixæ and reliefs, chiefly representing human figures or Satyrs.

7. Parts of terra-cotta statuettes.

8. Fragment of large terra-cotta bowl, stamped SĀVRNINI.

9. Fragment of tile, stamped C. SVLPICI FELIC[IS.

Presented by Lord Savile, G.C.B.

IX.—Water-colour drawing by the late C. R. Cockerell, R.A., showing his restoration of the Mausoleum at Halicarnassus.

Presented by Mrs. Frederick Cockerell.

X.—Drawing of Sir C. Wren's restoration of the Mausoleum at Halicarnassus.

Presented by Mr. J. C. Goodchild.

XI.—Paper impressions from two Latin and five Greek inscriptions at Ephesus.

Presented by M. Karpouza.

By Purchase.

I.—*Gold ornaments and jewellery.*

1. Six pieces of bracteate gold, each ornamented with a flower, animal, and bird.

2. Ornament consisting of flowers, crouching animals, and human heads.

1—2. *Corciano, near Perugia.*

3. Ring engraved with fore-shortened figure of horseman (compare Hartwig, Meisterschalen, pl. 10). *Tarquinii* (*Corneto*).

4–5. Two archaic fillets, with stamped patterns. *Ægina.*

6. Pair of earrings of good period, with Sirens and rosettes. *Eretria.*

7–8. Two archaic fibulæ. *Moni, Cyprus.*

II.—*Silver.*

1. Dish, with astragal border and cross of niello in centre.

2. Dish, chased with pattern of feathers; in the centre, a group of the three Graces.

3. Shallow bowl, fluted.

4. Bowl, with patterns, as No. 1.

5. Saucepan or *trulla*, with patterns of foliage on the handle, and snakes round the sides.

6. Saucepan as last; on the handle three reliefs: (1) female figure sacrificing; (2) ædicula and altar; (3) Felicitas leaning on cippus.

1—6. *Found at Chateauzanges near Romans* (*Drôme*).

III.—*Bronze.*

1. Archaic statuette of male figure carrying ram, perhaps Hermes Criophoros. *Falerii* (*Civita Castellana*).

2. Sistrum, with representation of the she-wolf suckling Romulus and Remus; in this instance the she-wolf is recumbent; busts of a river-god and female figure on the handle of the sistrum. *Found in the Tiber.*

3. Knife, the blade riveted to the handle. *Ægina.*

4. Bell, inscribed Πυρ(ρ)ίας Καβίρῳ καὶ Παιδί (compare Athen. Mittheil. XIII., pl. 9). *Found at the Cabirion, near Thebes.*

IV.—*Marble.*

1. Circular dish, with two scenes in relief from the myth of Diana and Actæon. *Akra, Punjab.*

2. Stelè, with relief of seated female figure and attendant, inscribed ΓΛΥΚΥΛΛΑ; fourth century, B.C. *Thebes.*

3. Female head of fourth-century style. *Ægina.*

4. Archaic pyxis, of Mycenæan period. *Ægina.*

V.—*Stone.*

1. Base of archaic statuette, inscribed Εὔαρχός με ἀνέθηκε τοῖσι Διοσκόροισιν; the O takes the form of C, as in the Melos alphabet. *Found near Knidos.*

2. Archaic statuette of Naucratite style. *Found near Knidos.*

VI.—*Terra-cotta.*

1. Mould for a vase of Aretine ware, with figures of Cupids. *Arezzo.*

2–4. Three fragments of Aretine ware, representing male and female figures dancing.

5. Fragment of Aretine ware, with Victory playing the flutes.

6. Similar fragment, representing Silenus (?) with *askos.*

7. Similar fragment; a youth charging with a spear (?)

8. Similar

8. Similar fragment, with floral patterns.
1—8. *From Arezzo.*

9. Archaic antefix, representing a Satyr's head. *Cervetri.*

10–11. Two archaic antefixæ, representing female heads, the original colours preserved (compare Arch. Zeit., 1871, pl. 41.) *Cervetri.*

12. Archaic female head, probably from an antefix. *Cervetri.*

13. Panel, of Græco-Roman period, with relief representing Theseus finding the sword and sandals beneath the stone; inscribed ΘECEOYC.

14. Panel, of same period, with relief of four Satyrs treading out grapes, similar to one already in the Museum (Towneley Coll., 336).

15. Fragment of helmet made from a mould, with two archaic heads and two figures of Sileni. *Ægina.*

16–17. Two statuettes apparently taken from one and the same mould, but afterwards differently finished: Eros holding with one hand a butterfly (Psyche) over a burning altar, and with the other hand hiding his gaze; on one of these statuettes is inscribed A[P]TEM[ΩN]OC. (Compare Visconti, Opere Varie, I., pl. 8, and Jahn, Arch. Beitr., p. 149.)

18. Draped youth with bow and quiver at back, inscribed ΔIΦI[ΛOΣ. (Compare Reinach and Pottier, Nécropole de Myrina, pl. 29, fig. 2, p. 187.)

19. Boy with a dog at his feet, inscribed ΔIΦI[ΛOΣ. (Compare *ibid.*, p. 187.)

20. Comic actor (compare *ibid.*, pl. 46, fig. 4).

21–22. Two female figures in sitting posture, with movable arms (compare *ibid.*, pl. 2, fig. 5).

23. Eros playing on a lyre.

24. Female figure beside statue of Spes (?)

25. Aphrodite leaning on pillar, surmounted by a figure of Eros.

26. Aphrodite and dolphin (compare *ibid.*, pl. 2, fig. 3).

27. Victory holding wreath (cf. *ibid.*, pl. 20, fig. 2).

28. Youth in short *chiton*, inscribed B.

29. Girl dancing.

30–31. Two draped female figures, one of them of the Tanagra type.

16—31. *From Myrina.*

0.107. 32–33. Two

32–33. Two draped winged children carrying fans.

34–35. Two children running.

36. Boy with fan.

37. Girl with fan.

38. Girl with lyre.

39. Group of girl embracing boy.

40. Draped female figure.

41. Youth in pointed cap on horseback.

42. Grotesque bust of male figure in Phrygian cap.

43. Draped female figure, made from an archaic mould in second or first century, B.C.

32—43. *From Ægina.*

44. Lamp, with relief, apparently a scene from a comedy. *Found in the Fayoum.*

45. Grotesque terminal figure. *Tarentum.*

46. Lamp in the form of a grotesque head.

47. Female figure holding two uncertain objects. *Tanagra.*

VII.—*Pottery.*

1. Black-figured *skyphos* with grotesque representation of Odysseus and Kirkè (Journ. of Hell. Stud. xiii., pl. 4, p. 77 ff.) *Cabirion near Thebes.*

2. Athenian *lekythos* with polychrome design on buff ground, representing a toilet-scene, inscribed, Λί[α]ς καλὸς Σάμ[ιο]ς (Froehner, Van Branteghem Catal., No. 173).

3. Athenian *alabastron* with design in black on buff ground: two ephebi, inscribed Χ]αίριππος καλός (*ibid.*, No. 157).

4. Red-figured *alabastron*; ephebos and female figure, inscribed 'Αλεξόμενος καλὸς, καλὴ ἡ παῖς (*ibid.*, No. 83).

5. *Pseudamphora* of Mycenæan period.

6–7. Two *stamni* of Mycenæan period, one with ivy-wreath.

8. *Oinochoë*, with lozenge-pattern, of Mycenæan period.

9. Corinthian *oinochoë*, with Siren between panthers.

10. Black-figured *amphora*; *obv.*, Heracles leading Cerberos away from Hades; *rev.* two heroes playing with pessi.

11. Black-figured *kylix*, with band of thirty-two figures, representing preparations for a battle.

12. Red-figured *crater*; on either side three ephebi.

5—12. *From Ægina.*

13. Athenian

13. Athenian polychrome *lekythos* of fifth century, B.C., representing two youths at a tumulus, the objects within which are visible. *Eretria.*

14. Similar *lekythos,* representing Electra and Orestes at the tomb of Agamemnon, the names inscribed. *Eretria.*

15–16. Two *lekythi* of black ware, with stamped patterns. *Galaxidi, near Delphi.*

17. Polychrome Athenian *lekythos,* representing youth and female figure at *stelè.*

18. Similar *lekythos,* representing two youths at *stelè,* and a small winged figure (a soul) in the air. *Eretria.*

19. Similar *lekythos*; a parting-scene. *Eretria.*

20. *Askos* of fine black ware, with Satyr's head in relief. *Galaxidi.*

21. Red-figured *pyxis* of fourth-century style; on the top, Dionysos and Mænads; round the body, a frieze of Aphrodite in her chariot with attendant figures, all inscribed. *Eretria.*

22. *Lekythos,* with outlined design of a warrior charging, on white ground. *Eretria.*

23. Bust of Athene, forming the lower part of a vase, richly gilt and coloured. *Athens.*

24–25. Two fragments of archaic Rhodian *pinakes,* representing ships. *Found at Datcha, near Knidos.*

26. Red-figured *kylix,* representing Apollo with lyre and libation-scene. *Chiusi.*

27. Fragments of red-figured *kylix,* representing boxers. *Orvieto.*

28. Fragment of red-figured *kylix,* in the style of Hieron; a Satyr seizing a Mænad.

29. Fragment of red-figured *kylix*: *int.,* a warrior blowing a trumpet; *ext.,* a lion and panther devouring a bull. On the interior has been the artists signature, of which only the letters ποιεσ remain, and the salutation ἐμοὶ δοκᾷς [καλός. *Chiusi.*

30. Foot of red-figured *kylix,* signed by Pamphaios.

31. Fragment of black-figured *kyathos,* with dance of Satyrs and Mænads, signed by Nicosthenes. *Chiusi.*

32. Fragment of white Athenian *lekythos,* with part of female figure, inscribed Ὑγιαίνων καλός.

33. Red-figured *pyxis,* signed, ΜΑΥΡΙΩΝ ΕΓΟΙΕ, representing an arm holding a sword. *Aidin, Asia Minor.*

VIII.—*Engraved Gems.*

1. Onyx cameo, with head of Heracles. *Akra, Punjab.*

2. Limestone lenticular gem, with Cretan goat and eagle seizing serpent. *Akra, Punjab.*

3. Limestone cylinder; an eagle seizing a serpent, three times repeated. *Akra, Punjab.*

4. Rock-crystal seal, engraved with sea-urchin and tunny-fish, of Mycenæan period. *Moni, Cyprus.*

IX.—*Lead.*

1. Weight, 158·10 grammes, with figures of Heracles and Hermes.

2. Weight, 86·504 grammes, with a club in relief, inscribed $\frac{\Delta AM}{EKTA}$.

3. Weight, 35·239 grammes, with an *amphora* in relief, inscribed MY (compare the coin-types of Myrina).

4. Anchor weighing 1,268 lbs., stamped in large letters ΖΕΥΣ ΥΠΑΤΟΣ, apparently the name of the ship (Torr, Ancient Ships, pl. 8; compare Jahrbuch d. Arch. Inst. III., p. 229). *Found off the Coast of Cyrene.*

X.—*Porcelain.*

Fragment of glazed ware with brown stripes. *Datcha, near Knidos.*

A. S. Murray.

Department of British and Mediæval Antiquities and Ethnography.

I.—*Arrangement.*

Glass and Ceramic Gallery.—The acquisitions of the year have been incorporated, and a number of card labels have been written.

Ethnographical Gallery.—The following sections have been cleaned, and the objects re-arranged where necessary, viz.:—Samoa, Savage Island, Easter Island, Tierra del Fuego, Patagonia, Brazil, Tonga, Torres Straits, Egypt, Tahiti, New Guinea (Romilly Collection), and Ceylon.

The specimens on the tops of the wall-cases have been twice cleaned.

Two hundred and thirty-four labels, with duplicates, have been printed with the hand-press in the Department, nearly all of them being for this gallery.

North

North Gallery.—The arrangement of the two rooms remaining from last year, viz., the Christian room and that containing the Brahmanical, Jain, Muhammadan, Jewish, &c. collections, has been completed, and a large number of recent acquisitions have been incorporated. Owing to the numerous additions in the Buddhist section, considerable re-arrangements have been found necessary.

The registration of current acquisitions has been continued, and 2,022 objects have been registered; 1,003 objects in the general collection, acquired since the year 1837, have been registered; extracts relating to the Department have been made from the general Donation Book of the Museum, commencing in 1756, so as to form a skeleton register down to the year 1837, when the present system of registration commenced. This has been completed up to 1770.

Thirty-one ethnographical objects have been drawn and described for the slip catalogue.

Thirty-eight headings to catalogue slips have been printed with the hand-press in the Department; 470 objects have been mounted on tablets, and 25 boards have been covered with paper. Six vessels of pottery and glass have been repaired, and a number of iron objects treated to arrest decay.

Forty-four matrices of seals have been mounted, with impressions at their sides.

Forty-six matrices of seals have been catalogued on slips.

A number of stone sculptures have been mounted on plinths. A large Abyssinian picture has been framed, glazed, and labelled.

Thirty blocks for class labels have been made and polished, and a great number of labels have been written, especially for the Religious collections.

The Byzantine weights in the Department have been weighed and labelled, including some that have been transferred from the Department of Greek and Roman Antiquities.

II.—*Acquisitions.*

(1.) *Early British and Prehistoric Antiquities:*—

The most important acquisition in this section is the gift by the Rev. William Greenwell, D.C.L., F.R.S., of a further series of objects excavated by him in British barrows, and described in "Archæologia," vol. lii. These are the contents of nine barrows at Willerby and Folkton, East Riding of Yorkshire; they include three very curious objects in chalk, the purpose of which is unknown; they are richly ornamented, and unlike any barrow remains hitherto discovered.

Among the other acquisitions may be noticed the following :—

A flint celt from Salisbury Plain, presented by A. J. Bell, Esq. Flint flakes from the Thames and Derbyshire, presented by G. F. Lawrence, Esq.

Various implements of stone and bronze and two Irish urns, from the Bateman Collection.

A British "drinking-cup" from Cholsey, Berkshire, a cinerary urn from Kempston, Bedfordshire, and an urn from county Down; presented by A. W. Franks, Esq.

Two large "founder's" hoards, consisting of 51 specimens from Stoke Hoo, near Rochester, and 143 from Minster, Isle of Thanet, and a fine bronze celt from the Thames; presented by A. W. Franks, Esq.

A gold armlet, found near Hull.

A Late Celtic sword of iron in a bronze sheath, found in the Thames at Taplow; presented by A. W. Franks, Esq. Bronze ornament of the same period, found by the donor at Port Stewart, co. Antrim; presented by the Rev. Leonard Hassé.

The foreign illustrations include :—

A flint knife from the foot of Mount Carmel; presented by A. Smith Woodward, Esq.

A collection of palæolithic and neolithic implements from Southern India; presented by H. J. Knox, Esq. Stone axe-heads, &c., from the same district; presented by W. E. Jardine, Esq.

Flint saw from the Piræus and bronze implements from various parts of the Continent; presented by A. W. Franks, Esq.

(2.) *Anglo-Roman* :—

Bronze shield boss with the Roman eagle, figures of the Seasons, standards, etc., and the name of the owner, Junius Dubitatus, a soldier of the Century of Julius Magnus of the 8th Legion. Found in the Tyne, and published in Hübner, "Inscr. Brit. Lat." no. 495, Bruce's "Lapidarium," p. 58 and in Lindenschmit, "Alterthümer," III. heft iv.

Bronze vessel of saucepan shape, with richly ornamented handle, stamped with the name of Boduogenus, found in the Isle of Ely, and specimens of "Samian" ware found at Dymchurch, Kent; from the Bateman Collection.

(3.) *Anglo-Saxon, Foreign Teutonic, Early Irish, etc.* :—

In the last year's report the acquisition of the Durden Collection was noticed. The remaining third of that collection, now acquired, comprises some very fine Anglo-Saxon ornaments found in Kent, chiefly on Crundale Down, and at Sarre.

Brooches

Brooches and weapons from Searby, near Caistor, Lincolnshire, and a pair of brooches of uncertain locality, one of which has on it a Runic inscription; from the Bateman Collection.

Portion of the silver handle of a sword of Scandinavian design, found in London, and a spearhead from the Thames, inlaid with silver; presented by A. W. Franks, Esq.

Collection of glass, pottery, and ornaments found in an Anglo-Saxon cemetery at East Shefford, Berkshire.

Series of Merovingian iron buckles, inlaid with silver; from the North of France.

Three Irish brooches from the Bateman Collection.

(4.) *Mediæval and Later* :—

(a.) *English.*—An alabaster carving of the 15th century representing the Trinity. Five sculptures in alabaster found near Selby, Yorkshire; presented by A. W. Franks, Esq.

Collection of leaden pilgrim's badges, eight seals, and other objects, from the Bateman Collection. Seven seals and 14 finger rings from the Durden Collection.

An ivory cue for a game, 14 silver counter boxes containing counters of the 17th century, wax portrait of an ecclesiastic, various boxes in brass, wood, and horn, Jacobite woven garter, etc.; all presented by A. W. Franks, Esq.

A wooden scoop, dated 1656; presented by Albert Hartshorne, Esq., F.S.A.

Collar of the Guelphic Order; presented by William Martindale, Esq. Bronze spoon from Wootton St. Lawrence, Hampshire; presented by the Rev. C. S. Ward.

A silver watch, made by William Godbed of Lombard-street.

Portrait in enamel of Nathaniel Chauncy by W. Birch; presented by Max Rosenheim, Esq., F.S.A.

(b.) *Foreign.*—A Limoges enamel by Pierre Raymond, representing the B. Virgin on clouds, from the Addington and Spitzer Collections; a plaque painted in grisaille representing the Olympic deities, signed P. I.; pewter dish, with central enamel of a portrait of Henri IV. of France; wax portrait of Siegfried Pfinzing; all presented by A. W. Franks, Esq.

Original portrait in wax of Michael Angelo by Leo Leone, taken from the life, together with a copy of the bronze medal executed after it; presented by C. Drury E. Fortnum, Esq., D.C.L., V.P.S.A. Described and figured in "Archæological Journal," Vol. xxxii., p. 1.

Clock of the 17th century set with lapis lazuli and rock crystal, made by Hans Buschman of Augsburg, and a pressed horn casket; presented by Henry J. Pfungst, Esq., F.S.A.

Alabaster head of St. John Baptist in the charger, obtained at Ratisbon, and presented by Albert Hartshorne, Esq., F.S.A.

Twenty-four ancient French weights, leather box for a pyx, ivory leaf of a writing tablet with the Nativity, German dial, and other objects; presented by Max Rosenheim, Esq., F.S.A.

Four astrolabes and eight dials from the sale of the Spitzer Collection in Paris, including a dial dated 1453.

Electrotypes of four fine astronomical instruments: the originals of three of these are in the Archæological Museum in Madrid, and that of the other in the Royal Museum at Cassel; presented by the Lords of the Committee of Council on Education.

Six matrices of seals; presented by A. W. Franks, Esq., and 11 matrices from the Bateman Collection.

(5.) *Ceramic and Glass Collections:*—

(a.) *Chinese and Japanese Porcelain.*—Additions have been made to the Franks Collection, including a fine Japanese bottle in the Kakiyemon style, and a series of porcelain netsukés.

(b.) *Continental Pottery.*—A glazed lamp with Arabic inscription from Fostat near Cairo, and a wall tile from the Green Mosque at Brusa; presented by Henry Wallis, Esq.

Majolica dish of the fifteenth century with the arms of Visconti, a plaque and an inkstand of majolica from the Spitzer Collection; sgraffiato bowl, two Spanish bowls, and a tile; presented by A. W. Franks, Esq.

Three Spanish azulejo tiles; presented by Señor Don Guillermo J. de Osma.

Four specimens of early Siegburg stoneware; presented by Sir Henry H. Howorth, K.C.I.E., M.P., and a French dish with the arms of the Earl of Portmore; presented by Max Rosenheim, Esq., F.S.A.

(c.) *English Pottery.*—The additions to the Franks Collection include two early jugs, one of them of the thirteenth century, with a hunting scene in relief, a Staffordshire cradle, dated 1691, a figure of one of the Seasons in Bristol porcelain, and twenty-one brass moulds believed to have been used by Dwight in ornamenting his Fulham stoneware.

An unfinished vase of delft found in Poplar Dock; presented by the London County Council.

A Staffordshire jug illustrating the Lord George Gordon riot; presented by H. J. Pfungst, Esq., F.S.A. Porcelain bowl, inscribed "Donovan Dublin," and a caddy with designs in relief; presented by Sir Henry Howorth, K.C.I.E.

(d.) *Glass.*—Three early Phœnician bottles from Sidon, four similar found in Greece, part of a remarkable box of opaque white glass with figures and inscription from Beirût, specimens

specimens from Nazareth and Hamath, a large number of coin weights and bottle-stamps with Arabic inscriptions from Egypt, and fifty glass vessels of various kinds from the same country; presented by A. W. Franks, Esq.

Forty-eight glass vessels from Tadmor, Tyre, etc., and a fine Roman bowl with pillar moulding.

Heart-shaped pendant and fragments of ornamented vessels from Tell el Amarna, Egypt; presented by Percy E. Newberry, Esq.

An Arab bottle with gilding and enamel, probably of the thirteenth century.

(6.) *Collection illustrating various Religions*:—

(a.) *Christianity.*—Large painting on linen representing the Crucifixion, obtained in Abyssinia and presented by J. Theodore Bent, Esq., F.S.A. A sistrum, crosses, etc., from the same country; presented by A. W. Franks, Esq.

A Coptic tombstone of Sophrone, and a disc with an eagle, of the same period; from a monastery in Upper Egypt.

(b.) *Judaism.*—Scroll of the Law written in Spain, with its silk mantle, pointer, and breastplate; presented by Leonard L. Cohen, Esq. Two silver ornaments with bells, for the Scroll of the Law, and two *hanuca* lamps; presented by A. W. Franks, Esq.

Two Megillas or MS. scrolls of the book of Esther, *shophar* or trumpet, phylacteries, etc.; presented by H. Montagu, Esq., F.S.A. Two silver cases for phylacteries; presented by Wolf Myers, Esq. An old embroidered bag for phylacteries; presented by W. N. Adler, Esq.; and a *mezuzah* for doorposts; presented by the Rev. Herman Adler, Chief Rabbi.

(c.) *Islamism.*—An illuminated Koran of the sixteenth century, in original ornamented binding, that belonged to a branch of the royal family of Delhi, Persian silver prayer-compass and twelve amulets; presented by A. W. Franks, Esq. Three inscribed amulets; presented by the Rev. Thomas Calvert.

(d.) *Confucianism and Shintoism.*—Confucian box used in divination; presented by the Rev. K. Minakata. Model in lacquer, metal, etc., of a *mikoshi* or moveable shrine (Shinto) from Japan; presented by the Rev. W. D. Parish: and a painting on silk representing the procession in which such a shrine is carried; presented by J. Edge Partington, Esq.

Wooden model of a Shinto temple; presented by C. H. Read, Esq. A Shinto shrine of black and gold lacquer, and shrine of the Fox god Dagini Ten; presented by A. W. Franks, Esq.

(e.) *Brahmanism.*—A collection of objects from Nepal, showing a mixture of Brahmanism and Buddhism, but chiefly

the former; a marble figure of Vishnu, and two bronzes; presented by A. W. Franks, Esq.

(f.) *Buddhism.*—A collection of one hundred and seventy-one objects, some of them Lamaistic, collected in Northern China by Herr von Brandt.

A series of seventeen specimens of the same kind, collected in China by Mr. Carl Bock; Ritual of the goddess Kwan-yin, a Chinese translation made in the time of the T'ang dynasty and rubbed off from wooden tablets, fac-similes of the caligraphy of the Emperor Keenlung, 1784, being the imperial copy; all presented by A. W. Franks, Esq.

A yellow Lama cap from Darjeeling; presented by C. Purdon Clarke, Esq., C.I.E. Three objects from Ladakh; presented by W. M. Conway, Esq. F.S.A.

Two Burmese panels of gilt wood; two sets of sacred books in their original wrappers, with inscribed woven bands; presented by A. W. Franks, Esq. Two clay tablets from Burmah; presented by W. L. Hole, Esq. Five figures of Buddha in resin from Siam; presented by Henry Louis, Esq.

A Japanese bronze bell; presented by J. Edge Partington, Esq.; and another similar; presented by Edward Dillon, Esq.

(6.) *Oriental and Ethnographical:*—

Two arm guards of steel, inlaid with Arabic inscriptions in silver.

A Japanese incense-burner of bronze; presented by Henry J. Pfungst, Esq., F.S.A.

A copper grant of land to Guja Pati by Ajara Singh; a copper gilt helmet from the armoury of Muhammad II.; twenty Arabic and Indian seals, and various Chinese and Japanese objects; presented by A. W. Franks, Esq.

Among the ethnographical objects may be mentioned:—

Asia.—A mandarin's hat; presented by Dr. W. G. K. Barnes, R.N. A wedding hat from Assam; presented by C. S. Bivar, Esq. A Burmese skull and burial post; presented by B. Houghton, Esq.

Africa.—A collection from Nyassa; presented by H. H. Johnston, Esq., C.B., British Commissioner. Spear, bow and arrow, etc., from Lake Mweru; presented by Alfred Sharpe, Esq., H.B.M. Vice-Consul, Blantyre.

A "gofio" bag from Teneriffe; presented by E. J. S. Graham-Toler, Esq.

Oceania.—Two volumes of specimens of tapa cloth, of which only three copies were prepared; presented by the Bernice Pauahi Bishop Museum at Honolulu, Hawaiian Islands. Fiji dress and tapa; presented by W. L. Allardyce, Esq. An octopus bait from Tonga; presented by R. B. Leefe, Esq.

A New

A New Ireland mask; presented by Sir Anthony H. Hoskins, K.C.B.

America.—Three pots of "curare" from Brazil; presented by Señor Odorico José da Costa.

A large collection of casts, and a few originals, formed by Alfred P. Maudslay, Esq., have been, with the consent of the donor, transferred from the South Kensington Museum, and will be exhibited as space can be found for them.

III.—Christy Collection.

Four hundred and fifty-one additional slips have been prepared for the Registration Catalogue, with careful sketches of the objects.

The following donations have been received by the Christy Trustees, and by them transferred to the Trustees of the British Museum:—

1. *Prehistoric Antiquities of Europe, Asia, and Africa:—*

Eight implements from the Drift in Kent; presented by A. W. Franks, Esq.

Three palæolithic implements from the gravels at San Isidro, Madrid; presented by C. H. Read, Esq.

A large polished axe from Conishead, Lancashire, and implements from Brandon; presented by A. W. Franks, Esq.

A hammer stone from county Tyrone, Ireland; presented by Joseph Clarke, Esq.

A celt from the Island of Gothland; presented by J. A. Bather, Esq.

2. *Ethnography of Africa:—*

Spears and other weapons from Central Africa, a drum from Uganda, spears, daggers, etc., from West Africa, and a series from the Congo and Cameroons; presented by A. W. Franks, Esq.

A drum from S.W. Africa; presented by Charles J. Prætorius, Esq.

A number of Matabele specimens; presented by A. W. Franks, Esq.

3. *Ethnography of Asia:—*

Hats and bowls of brass and wood from Corea; presented by C. W. Campbell, Esq.

A model of a "jinrikisha," a bronze box, and a pair of sandals, from Japan; presented by J. Edge Partington, Esq.

A helmet covered with lacquer, and a pair of Japanese clogs; presented by A. W. Franks, Esq.

Knives, armlets, flint and steel from Nepal, a Karen dress, a staff and two masks from Ceylon; presented by A. W. Franks, Esq.

A number of Dyak objects; presented by John Whitehead, Esq. A shield from Borneo; presented by A. W. Franks, Esq.

4. *Ethnography of Oceania and Australasia:—*

A number of specimens from the Caroline and neighbouring groups; presented by Henry Seebohm, Esq., F.Z.S.

A board for surf-swimming from Hawaii, and a New Zealand bird snare; presented by A. Fowler, Esq. An ear ornament from the Hervey Islands; presented by the Rev. W. Wyatt Gill, D.D. Cocoanut discs for game of squails from the Tongan Group; presented by Captain E. H. Verney. Samples of tapa cloth from Polynesia; presented by F. E. Whelan, Esq. A collection of stone and bone implements from the Chatham Islands, and numerous specimens from Polynesia; presented by A. W. Franks, Esq.

A specimen of tapa cloth from Futuna; presented by Graham Balfour, Esq.

An Australian club and a charm from the Solomon Islands; presented by J. Edge Partington, Esq. Two collections from New Guinea, and one from the Trobriand Islands; presented by A. W. Franks, Esq.

5. *Antiquities and Ethnography of America:—*

A very remarkable helmet or head-piece of wood, cut from the solid, in the form of two eagles' heads; the whole of the exterior is, or has been, encrusted with elaborate mosaic of turquoise, shell, etc. This rare specimen was obtained in Paris in 1854, and since then has been in the Bateman collection, at the sale of which it was purchased by the donor, A. W. Franks, Esq. A statuette in gold, and seven others in silver, from the Bateman collection, and an unusually fine implement of bone in the form of a human hand, set with turquoise, found in Peru; also presented by A. W. Franks, Esq.

A bone object from the Eskimo; presented by the Rev. W. Sparrow Simpson, D.D.

A number of specimens from the North-West Coast, the Apache Indians, from Chile, and from the Jivaros Indians of Brazil; presented by A. W. Franks, Esq.

The Trustees of the Christy collection have purchased, from funds at their disposal, a number of stone implements of uncertain age, from the plateau of Kent, and a remarkable carved wooden gong and a sacrificial stone, both of ancient Mexican work.

Augustus W. Franks.

Department of Coins and Medals.

I.—*Removal of Collections.*

The entire collection of Coins and Medals, now consisting of nearly a quarter of a million specimens, having outgrown the space available for its accommodation in the old Medal Room, constructed 50 years ago, was removed in January 1893 into a new wing on the western side of the Museum, specially built to receive it. The re-arrangement of the various series in a geographical order convenient for reference has been completed.

The removal of the Departmental Library of Numismatic works has also been effected, all the books having been classified and placed in the new cases, and their press-marks altered in the Departmental MS. Catalogue.

II.—*Exhibitions.*

A selection of reproductions in electrotype of all the finest Greek and Roman coins has been placed on exhibition in the Etruscan Saloon, on either side of the entrance to the New Medal Room. The Greek coins, on the south side of the entrance, have been arranged in such a manner as to afford a synoptical view, at once historical and geographical, of the gold and silver coinage of the ancient world, from the invention of the art of coining money, early in the seventh century B.C., down to the Christian era. Every specimen exhibited has been separately labelled and numbered in accordance with the "*Guide to the Coins of the Ancients,*" where full descriptions and explanations of the types are given.

The Roman coins, on the north side of the entrance, consist (i) of a rich series of Roman and Byzantine aurei and solidi, ranging from the time of Julius Cæsar down to the fall of Constantinople in A.D. 1453; (ii) of a series of silver denarii, &c., of Republican times, classified alphabetically under the gentile or family names of the monetarii, the dates of issue being added on the labels under the specimens; (iii) of a selection of *Aes grave,* showing the successive reductions of the Roman *As* and its divisions in chronological order; and (iv) a representative portrait-series of Roman Imperial large brass coins and medallions, comprising the finest specimens from the unrivalled collection of the late Mr. Edward Wigan.

III.—*Registration and Arrangement.*

1. *Greek Series:—*

587 coins, recently acquired, of various parts of the Greek world, have been registered and incorporated.

The work of writing and placing beneath the coins tickets giving references to the published Catalogues of Greek Coins has been continued, as follows:—*Corinth,* 83 tickets; *Alexandria,* 586; *Attica,* 555; *Crete,* &c., 622; *Mysia,* 741; *Pontus,* 154; *Ionia,* 394; in all, 3,135 tickets.

11 coins, hitherto classed as uncertain, have been identified.

Rectifications have been made in the series of coins of the Achæan league. A series of bronze coins of the Antonines, formerly attributed to Cæsarea in Cappadocia, has, on the evidence of finds, been restored to Cyprus. The series formerly attributed to Niniva has, in accordance with an important discovery made by the late Monsieur W. H. Waddington, been transferred to Claudiopolis Ninica in Cilicia.

The collection of electrotypes of rare coins not in the Museum has been re-arranged in geographical order.

The collection of sulphur casts illustrating Mionnet's "*Médailles antiques*" has been re-arranged, from the beginning as far as the coins of Elis and Cephallenia (Vol. I. and part of Vol. II.).

The following collections, offered for purchase from various sources, have been examined, and, where desirable, selections have been made for the Museum:—A series of Corinthian staters and tetradrachms of Alexander the Great, one of Cretan coins, one of Cypriote coins, two of coins of Troas, Aeolis, and Lesbos, one of Lycian and Cilician coins, and 14 of miscellaneous Greek coins, chiefly Imperial of Asia Minor.

A set of impressions of coins of Dacia and Moesia has been made and sent to the Editor of the Berlin *Corpus of Greek Coins.*

In preparation for the Catalogues of Greek Coins, the work of re-arranging the various series in chronological order, and of weighing the specimens in gold, electrum, and silver, has proceeded as follows:—

For the Catalogue of *Troas, Aeolis, and Lesbos:*—The coins of Abydos, Antissa, Boeone, Came, Cyme, Dardanus, Elæa, Eresus, Grynium, Larissa, Methymna, Myrina, Mytilene, Neonteichos, Nesos, Pordosilene, Pyrrha, Temnos, Tenedos, Tisna, and Zeleia.

For the Catalogue of *Caria:*—The coins of Astyra, Attuda, Bargasa, Bargylia, Caunus, Ceramus, Chersonesus, Cnidus, Cos, Euromus, Halicarnassus, Iasus, Idyma, Myndus, Termera, and Trapezopolis.

For the Catalogue of *Parthia:*—The coins of Arsaces I., Tiridates, and Artabanus I.

In preparation for the illustration of the Catalogue of *Troas, &c.,* casts of the more important coins have been made, and the arrangement of the plates has been begun.

2. *Roman*

2. *Roman Series:*

2 coins recently acquired have been registered and incorporated.

In preparation for the exhibition of Roman coins and medallions in electrotype, electrotypes have been arranged and mounted of Republican *Aes grave* and its reductions, and of Imperial gold and large brass coins and medallions, down to the fall of Constantinople in 1453. Descriptive labels have been written and affixed to these series, as well as to the series of Republican denarii exhibited in electrotype.

A number of wax impressions of medallions and coins have been made for the illustration of M. Bernoulli's work on Roman portraiture.

The collection of lead impressions from the dies made by Becker for the forgery of Roman coins has been arranged in chronological order.

3. *English Series:—*

94 coins, medals, and counters, recently acquired, have been registered, and 85 incorporated.

11 medals from the Bank collection have been registered, and 146 incorporated with the general collection.

Rectifications have been made in the series of Scottish Leaden Tokens of the 18th and 19th centuries.

The Military, Naval, Regimental, Volunteer, and Miscellaneous War Medals subsequent to 1760 have been withdrawn from the historical series, and arranged in chronological order in a separate cabinet, the trays of which have been labelled.

The English Medals subsequent to 1840 have been arranged in chronological order, and the trays labelled.

Labels of contents have been affixed to the cabinets containing the collections of English, Scottish, and Irish coins and tokens.

A series of 89 English and Irish silver coins belonging to Her Majesty the Queen has been classified.

The Treasure Trove from Llanllawddog, Carmarthenshire, consisting of groats of Edward III., has been examined.

A series of 242 Anglo-Saxon silver pennies offered for presentation has been examined, and a selection made for the Museum.

4. *Mediæval and Modern Series:—*

70 coins and medals of various European countries, recently acquired, have been registered, and 82 incorporated.

7 medals from the Bank collection have been registered, and 38 incorporated with the general collection.

94 copper coins of the Balkan Peninsula, Mediæval and Modern Greece, and the Latin East, and 75 coins of various minor states of Italy, from the Freudenthal collection, have been incorporated.

The following series have been expanded and re-arranged according

according to the latest numismatic authorities, and the cabinets labelled :—

Italy.—Parma, Piacenza, Guastalla, Valditaro, Modena, Reggio, Brescello, Novellara, Correggio, Mirandola, Massa Carrara, Tresana, Aquileia.

Adriatic and Balkan States, &c.—Fiume, Slavonia, Zara, Spalato, Ragusa, Cattaro, Bosnia, Servia, Moldavia, Wallachia, Roumania, Bulgaria.

Greece and the Latin East.—Epirus, Zante and Cephalonia, Ionian Islands, Achaia, Athens, Modern Greece, Mytilene, Chios, Turcomans (Saroukhan, &c.), Edessa, Antioch, Tripoli, Jerusalem, Beyrût, Bizantii Saracenati, Temple Christians, Cyprus.

The series of French and Papal Medals have been withdrawn from the overcrowded King's Cabinet and arranged chronologically in new cabinets.

The following collections have been examined and selections made for purchase by the Museum :—A series of Spanish and French gold coins found at Corunna, and a series of Spanish and Italian silver coins of the 18th and 19th centuries.

7 plates of casts have been arranged and photographed, for the second edition of the *Guide to the Italian Medals.*

5. *Oriental Series :—*

472 coins of the following series have been registered, and 487 incorporated :—Burma, Siam, various ancient mediæval and modern Indian mints (Ahmadpur, Bahāwalpur, Baroda, Chitore, Dhar, Indore, Jind, Kacch, Kaithal, Khānpur, Maler Kotla, Malwa, Nabha, Nepal, Patiala); Moghul Emperors of Dehli; French and English East India Companies; Indo-Scythic, Indo-Sassanian, Gupta, Parthian, Sub-Parthian, Great and Later Kushāns, White Huns, Sakas, Thibet; Arab Governors of Persia and Tabaristan, Arab glass weights, Arab Uncertain, Amirs of Budlis, Ayyubis, Ghaznawis, Kashghar, Khokand, Khotan, Othmanlis, Seljukis, Tulunis; Turkestan; Afghanistan; Persia; Morocco.

The registration and arrangement of the Bhagvānlāl collection have proceeded as follows :—Gupta, 89 coins; Bhaṭṭāraka Kings of Vallabhī, 19; Ujain, 28; Kashmir, 41; in all, 177 coins.

Rectifications have been made in accordance with the latest authorities in the following series :—Taxila, Mathura, various ancient Hindu dynasties, the later Kushāns, Scytho-Sassanian and Indo-Sassanian. The late Indo-Scythic and the Baroda series have been re-arranged, and the re-arrangement of the Indian local coinages has been begun.

The following collections have been examined, and, where desirable, selections made for purchase by the Museum :—A series of Indo-Scythic, a series of Hindu, and series of Kashghar and Yarkand coins.

Tickets

Tickets giving references to the published Catalogues of Oriental Coins have been written and placed beneath the coins described in the Catalogue of *Moghul Emperors of Dehli* (243 tickets), Catalogue of *Oriental Coins, Additions*, Vol. I. (271 tickets), and Vol. IX. (313 tickets); in all, 827 tickets.

6. *Hand-Lists and Indexes:—*

A detailed hand-list has been compiled of the Military, Naval, Regimental, Volunteer, and Miscellaneous War Medals later than 1760.

A list of more than 780 coin-sales from 1742 to the present time, the catalogues of which are in the Library of the Department, has been compiled and arranged alphabetically under the names of the owners of the collections sold.

A list of the prices fetched at public auction by English and Foreign Medals, Tokens, and Siege-pieces, and Foreign Coins, since 1880, has been commenced; 4,067 slips have been written, and the incorporation of those relating to English Medals has been begun.

IV.—*Catalogues.*

Greek Series:—

The Catalogue of the Coins of Troas, Aeolis, and Lesbos, by Warwick Wroth, F.S.A., has been completed in MS., and is in the press.

English Series:—

The Catalogue of English Coins, Vol. II., by H. A. Grueber, F.S.A., and C. F. Keary, F.S.A., completing the Anglo-Saxon series down to the Norman Conquest, has been published.

Mediæval and Modern Series:—

A second edition with a new set of plates of the Guide to the Italian Medals, by C. F. Keary, F.S.A., has been published.

V.—*Acquisitions*, 1893.

The Coins and Medals acquired during the past year comprise a much larger number than usual of specimens of extreme rarity, and of the highest historical and artistic interest. Of the 1,186 pieces added to the collection, 543 have been presented, and 644 have been purchased. The donations are chiefly due to the generosity of A. W. Franks, Esq., C.B.; the late Monsieur W. H. Waddington; Sir John Evans, K.C.B.; H. Montagu, Esq., F.S.A.; W. Woodville Rockhill, Esq.; Hermann Weber, Esq., M.D., and Prof. Flinders Petrie.

In the following Table the new acquisitions are classified according to the five principal series to which they belong :—

CLASS.	Gold.	Silver.	Bronze.	Billon.	Lead.	Glass.	Ivory.	TOTAL.
Greek - - - - -	4	118	281	–	–	–	–	403
Roman - - - - -	–	–	3	–	–	–	–	3
English - - - - -	2	287	9	–	4	–	1	303
Mediæval and Modern -	4	35	18	8	1	–	–	66
Oriental - - - - -	80	119	151	12	–	49	–	411
TOTAL - - -	90	559	462	20	5	49	1	1,186

REMARKABLE COINS AND MEDALS.

Among the acquisitions of the year the following are worthy of special notice :—

1. *Greek Series* :—

Philip II. King of Macedon.—A tetradrachm with a head of Zeus to the left, of very fine style and bold relief; perhaps the most typical example yet found of the post-Pheidian ideal head of Zeus. This coin is thought to have been struck at Melitaea in Thessaly, as it has in the field a bee, the badge of that city.

Byzantium in Thrace.—A tetradrachm and two drachms of the middle of the 4th century, B.C. The type, a cow standing upon a dolphin, is supposed to symbolise the myth of Io crossing the Bosphorus. The local variety of the B, the initial letter of Byzantium, (ϒ) on this coin seems to be a variant of the Corinthian form of the same letter, which is ꟾ. The date of the coin indicates, however, that this is merely an archaistic survival from more ancient times.

Mesembria in Thrace.—A fine specimen of the very rare diobol (circ. B.C. 400), having on the *obverse* the helmet of the Thracian Sun-god Ares, and on the *reverse* M—E—ϻ—A in the four quarters of a radiate solar wheel. The solar type of this coin is clearly connected with the name of the town, Μεσημβρία, (= Mid-day.) This coin is also important palæographically, as affording an instance of the obsolete sibilant "San" ϻ, in place of 'sigma.' The "San" is not met with elsewhere on coins, though it is found in inscriptions of Teos and Halicarnassus. (Thompson, *Palæogr.* p. 3.)

Hebryzelmis

Hebryzelmis or Hebrytelmis, King of the Odrysæ in Thrace, B.C. 386–5. A well preserved bronze coin; *obverse,* male head to left; *reverse,* ΕΒΡΥΣΕΛΜΙΟΣ, and fore-part of lion in an incuse circle. This unique coin gives, for the first time, the name of the king in full, and it is noteworthy that it differs in two details from the form of the name occurring in the inscription discovered a few years ago on the Acropolis at Athens (Hoeck, *Hermes,* Vol. xxvi., p. 454), where it is written Ἑβρύτελμις, gen. Ἑβρυτέλμιδος.

Locri Opuntii.—A very rare drachm belonging to the period B.C. 369–338. The only other extant specimen of this drachm formed part of the famous Photiades Collection. On the *reverse* is a figure of the Locrian hero Ajax the Less, seen from behind, and armed with a spear in place of a sword. His shield is pierced by the point of his adversary's spear, an ingenious touch, by which the artist suggests a single combat quite in the Homeric spirit which the space at his disposal precludes him from delineating in full.

Eretria in Eubœa.—An archaic tetradrachm, circ. B.C. 480, with the letter B above the octopus on the *reverse,* and differing in style and fabric from all specimens yet published.

Athens.—A tetradrachm struck in B.C. 85, the year after the siege and capture of the city by Sulla. This is one of the very few Athenian coins which admits of being accurately dated, and it is consequently a historical document of some importance. The two trophies on the reverse commemorating Sulla's victories are casually mentioned by Plutarch (*Sulla,* xix. 5); and Pausanias (ix. 40, 4) says that they were still in position in his time, more than two centuries and a half after Sulla's death. A similar coin is published in the *Zeitschrift für Numismatik,* xii. 383.

Corinth (?).—A double denarius of Messalina, wife of the Emperor Claudius (wt. 103·4 grs.); *obverse,* MESSALEINA AVGVSTI, Bust of the Empress; *reverse,* BRITANNICVS. ANTONIA. OCTAVIA. Britannicus, son of Claudius and Messalina, standing between his two sisters. This coin is at present unique. Of Rome itself there are no coins whatever of Messalina, and although there exist a few inferior bronze coins bearing her name in Greek letters, this is, with a single exception, the only one known with a Latin legend, a fact which proves that it must have been struck either in the Roman Province of Asia, or, as is more probable, at some Roman Colony. As the only other coin of Messalina, with a Latin inscription, bears the names of two Corinthian "duoviri" (Capito and Cithero), the attribution of this remarkable silver piece to the Roman colony of Corinth seems amply warranted.

Elis.—A stater, circ. B.C. 450, and a drachm circ. B.C. 370–362; two

362; two very rare coins. The Museum previously possessed no Eleian drachms of so early a period.

Pheneos in Arcadia.—A new variety of the exceedingly rare and beautiful silver stater struck about B.C. 362, after the battle of Mantinea, when several cities of Arcadia, Pheneos among them, separated themselves from the Pan-Arcadian confederation of which the centre was Megalopolis. On the *obverse* is the head of Demeter, accompanied by the letters ΠΟ, probably an artist's signature. On the *reverse* is a group of Hermes carrying on his arm the infant Arkas, whom he confided to the care of the Nymph Maia on Mt. Cyllene. (Apollod. III. 8, 2.) The work suggests that the artist may have been to some extent influenced in the choice of his subject by the famous masterpiece of Praxiteles, which represents Hermes carrying the infant Dionysos.

Tegea in Arcadia.—Two rare drachms, circ. B.C. 400–370, one of which shows the hero Kepheus on the *reverse*, and the other an owl.

Cydonia in Crete.—A didrachm struck about B.C. 400, *Obverse*, head of a Nymph or Mænad, wreathed with grapes and vine leaves; *inscription*, ΝΕΥΑΝΤΟΣ ΕΠΟΕΙ; *reverse*, a naked youth stringing his bow, *inscr.* ΚΥΔΩΝ. A coin of great interest, from the fact of its being signed by its engraver, Neuantos. Artists' signatures on Greek coins are well known to be of rare occurrence, and an example of the signature of Neuantos has always been one of the *desiderata* of the British Museum. The work of Neuantos, as displayed on the *obverse* of this coin, gives evidence of considerable technical ability, though it perhaps shows a tendency to be over-ornate. The coin engraved by Neuantos may be compared for style with that of another Cretan engraver, Pythodorus (B. M. Cat., *Crete*, p. xxiv). Both artists appear to have worked contemporaneously in the north-western part of the island. The figure on the reverse is probably Kydon, the hero of the famous Cydonian bowmen (cf. Steph. Byz, s. v. Κυδωνία, and Horace, *Carm.* iv. 9, 17, "Tela Cydonio direxit arcu," &c.).

Pythodoris, Queen of Pontus.—A very rare drachm, dated year 60 (Ξ), which has been shown by Giel (*Kleine Beiträge zur antiken Numismatik Südrusslands*, Moscow, 1886) to correspond with A.D. 29–30. Pythodoris was a granddaughter of M. Antony, and wife of King Polemon I. She survived her husband, and reigned over Pontus until about A.D. 33. Of the duration of her reign her coins afford the only extant evidence.

Nicæa in Bithynia.—A bronze coin of Gordian III. *reverse*, Veiled goddess Gaia (?), wearing polos, and presenting infant Erichthonios (?) to seated Athena.

Adramyteum

Adramyteum in Mysia.—An unpublished silver coin of the 2nd century B.C., of the weight of one-eighth of a cistophorus.

Cyzicus in Mysia.—A bronze coin of L. Verus, having on the *reverse* an octastyle temple and the name of a magistrate, Hestiaeus, the Νεωκόρος of the temple, probably not the Provincial temple erected to Hadrian at Cyzicus by the Κοινόν of the Province of Asia, but that of some local cult.

Lampsacus in Mysia.—An obol, circ. B.C. 500–450; *obverse*, Janiform Head; *reverse*, Head of Athena. The peculiarity of this little coin consists in the fact that it has the letter Ξ in the field, which proves it to be contemporary with the Lampsacene electrum staters bearing the same letter.

Lampsacus in Mysia.—A splendid and unique gold stater of very fine style (circ. B.C. 380). On the *obverse* is a youthful male head bound with a myrtle wreath, and with a small wing springing from the side of the neck. This remarkable head was no doubt intended for Eros, and was probably inspired by, though not copied from, the famous statue of that god executed by Praxiteles for the neighbouring city of Parium, on the Hellespont.

Pergamum in Mysia.—A bronze coin of Trajan Decius, showing the Emperor sacrificing before an altar. The magistrate's name on this piece is accompanied by the rare title Θεολόγος.

Cebren in Troas.—Three very rare bronze coins, issued after the change in the name of the town from Cebren to Antiochia, early in the 3rd cent. B.C.

Cyme in Æolis. A unique didrachm (wt. 94·1 grs.), circ. B.C. 400, belonging to a period of the coinage of Cyme of which hardly any specimens are known. *Obverse*, Eagle; *reverse*, Forepart of a horse, and magistrate's name, ΘΕΥΓΕΝΗΣ.

Myrina in Æolis. A drachm; circ. B.C. 197. *Obverse*, Head of Apollo Gryneus; *reverse*, Full length statue of the same god. The tetradrachms of this type are well known, but this is the first drachm yet discovered.

Myrina and Ægæ in Æolis. An alliance coin of the reign of Commodus. The *reverse* bears figures of Dionysos and Demeter. The alliance money of these two cities was unknown before the discovery of this coin.

Ephesus in Ionia.—A gold stater, similar to a specimen formerly in the Dupré collection. (Head, *Coinage of Ephesus*, Pl. v. 4.) It belongs to a small series of gold coins struck at Ephesus during the brief revolt of the Province of Asia from

Rome in the time of Mithradates, B.C. 84. On the *obverse* is a Greek bust of the Ephesian Artemis; and on the *reverse* the Asiatic cultus-statue of the goddess.

Neapolis in Ionia.—Two bronze coins respectively of Severus Alexander and Volusian, the latter bearing the name of Candidus as "Grammateus" for the second time. There were previously no coins of this town in the British Museum.

Phocæa in Ionia.—An electrum stater; one of the most singularly interesting numismatic monuments which have survived from the earliest period of the art of coining. It belongs to the first half of the sixth century B.C., during which time Phocæa, one of the chief centres of maritime enterprise in the Mediterranean, was supreme upon the sea (Herod. I., 163). According to Eusebius (*Chron.* ed. Mai, p. 331), the Phocæan Thalassocracy lasted 44 years, commencing *circ.* B.C. 575. It has, however, been shown by Goodwin (*De potentiæ veterum gentium maritimæ epochis apud Eusebium*, Göttingen, 1855) that the beginning of the Phocæan Thalassocracy must be placed as early as B.C. 602. From this time until the reign of Crœsus, King of Lydia (B.C. 560), the commercial influence of Phocæa, both on sea and land, was predominant, and strong enough to give occasion to an entire reform of the currency of the Ionian coast lands. The newly-acquired stater, weighing one-fiftieth part of the old Babylonian gold mina, is a specimen of this reformed coinage. Artistically it is also of great interest, as it is the oldest known example of what is called a "*type parlant*" (*i.e.*, a device suggested by the name of the town). On the *obverse* is a seal (*φώκη*), the badge of Phocæa; and on the *reverse*, two rude incuse squares of different sizes. This stater is also of considerable palæographic importance, for it bears an ancient form of the letter Φ (⊙) which has not been met with elsewhere, either on coins or inscriptions. There are few coins of remote antiquity which have been so frequently cited, both by Greek historians and metrologists, as this famous electrum stater of Phocæa, of which the only other extant specimen is preserved in the Museum at Munich.

Smyrna in Ionia.—An alliance coin of the reign of Gordian III., between the city of Smyrna and the Roman Province of Asia. It reads ACIA . CMYPNA . OMONOIA. Instances of alliance coins between cities and provinces are elsewhere quite unknown.

Alabanda in Caria.—A very rare silver coin (wt. 113 grs.), with a tripod on the *reverse*, issued after B.C. 168, when the Roman Senate conferred freedom upon Caria and Lycia (Polyb. XXX. 5; Liv. XLV. 25).

Plarasa and Aphrodisias in Caria.—A drachm of the 1st century

century B.C., bearing the inscription ΕΠΙΚΡΑΤΗΣ ΞΕΝΟΚΡΑΤΟΥΣ ΙΕΡΕΥΣ ΔΗΜΟΥ—important as specifying for the first time the title of the chief magistrate of the city, a title hitherto unrecorded either on coins or lapidary inscriptions.

Stratonicea in Caria.—A very rare, if not unique, silver drachm of the 2nd century, B.C.; *obverse,* Head of Zeus; *reverse,* Hekate standing to the front and holding a patera and a torch. At her side is an altar.

Doryleum in Phrygia.—A coin of Titus. On the *reverse* is a seated Zeus, and the name of the well-known poet Silius Italicus, who was Pro-Consul of the Roman Province of Asia, circ. A.D. 77.

Hieropolis in Phrygia.—A coin of Elagabalus; *reverse,* Zeus hurling a thunderbolt, with an eagle and an ægis on his extended arm, and another eagle at his feet. This is a very curious type which occurs at no other city.

Lycia.—Ten silver and seven bronze coins belonging to the peculiar series struck in Lycia during the 5th century B.C., and bearing inscriptions in the Lycian language and character, at present imperfectly understood. Whether these inscriptions record the names of ancient Lycian cities, or those of their rulers, is still a doubtful point. The following are the most interesting varieties:—Three silver staters, inscribed SΠΠΞΤΑΞΑ (Spintaza), circ. B.C. 460, at the latest; *obverse,* Archaic female head; *reverse,* Tetraskelis, which, like the Triskelis or Triquetra, is a Lycian solar symbol.—Four silver staters, inscribed the name with Teththiveibi, with types resembling the coins of Spintaza.—A silver coin, with the legend TPB[. . .]EME (Trebbenimi); *obverse,* Lion's scalp, with a triskelis on the forehead; *reverse,* Triskelis. This coin seems to belong to the latter part of the 5th century.—A bronze coin reading ΗϘ↑ΠΙ (Peri[kli]); *obverse,* Fore-part of stag; *reverse,* Triskelis. A dynast of the name of Perikles is known from Lycian inscriptions. He seems to have been a king of the whole of Lycia, and to have fallen in the revolt against Artaxerxes, B.C. 362.

Aspendus in Pamphylia.—An unpublished coin of Julia Domna, with the *reverse* inscription ΘΕΜΙΔΟC ΤΞΘ, referring to the games celebrated in various Pamphylian and Cilician towns under the name of Θέμιδες (Head, *Hist. Num.*, p. 583). In these contests the prizes consisted, not, as elsewhere, of wreaths, tripods, &c., but of sums of money. The numerals ΤΞΘ ('369') prove that the date from which the era of Aspendus is reckoned fell between the years B.C. 176 and 152; the occasion of which is not known.

Perga and Side in Pamphylia.—An alliance coin of

 Gordian

Gordian III.; *reverse,* Artemis Pergaia and Athena, the goddesses of the two allied cities.

Ilistra in Lycaonia.—Philip I.; *reverse,* ΙΛΙCΤΡΕΩΝ ΚΟΙΝ[όν] ΛΥΚΑΟΝΙΑC. Only two other specimens of this rare coin are known, one of which is in the French, and the other in the German National Collection. The type is Zeus seated with an eagle at his feet. The town of Ilistra (which is not to be confounded with Lystra), is not mentioned either by Strabo or Ptolemy. Its name appears for the first time on a coin of M. Aurelius. Its coins prove that it belonged to the Κοινόν of Lycaonia.

Anazarbus in Cilicia.—Two Imperial coins (i) Caracalla, with a type relating to the "Œcumenical" games celebrated at Anazarbus. The inscription is ΙΕΡΟC ΟΙΚΟΥΜΕΝΙΚΟC; (ii) Valerian, inscribed ΒΟC ('272'), a date reckoned from the local era, B.C. 19, and, therefore, equivalent to A.D. 253.

Augusta in Cilicia.—Volusian. A bronze coin, bearing the date ΕΤ[ΟΥC] ΓΛC (=year 233), which serves to fix the era of the foundation of the town of Augusta in A.D. 19 or 20.

Celenderis in Cilicia.—A drachm of the 5th century, B.C.; *obverse,* Horseman riding sideways; *reverse,* Goat in incuse circle. The Museum possessed previously no drachms of this city.

Nagidus in Cilicia.—Two silver staters (circ. B.C. 400–300); types, Aphrodite seated, crowned by Eros; *reverse,* Dionysos standing, holding a vine-branch. These coins bear magistrates' names hitherto unrecorded. Also, a drachm of the same city, a denomination new to the British Museum.

Olba in Cilicia.—Lucius Verus; *reverse,* River god. The site of Olba having been lately fixed by Mr. Theodore Bent at Oura, not far from the lower course of the Calycadnus (cf. Ramsay, *Hist. Geog.* p. 22), there can be no doubt that this is the river personified on the coin.

Tarsus in Cilicia.—A silver stater (circ. B.C. 370—350); *obverse,* Bust of Athena facing, with the letter T and a bunch of grapes in the field; *reverse,* Baal-tars enthroned; *symbols,* ear of corn and bunch of grapes; under throne T.

Titiopolis in Cilicia.—An unpublished bronze coin of Commodus; *inscr.,* ΕΤΟΥ Γ. ΤΙΤΙΟΠΟΛΕΙΤΩΝ, Tyche in temple. The coins of this town are of great rarity, only two others being known, one of Hadrian in the Bibliothèque Nationale, and the other, of Geta, in the Waddington Collection.

Paphos

Paphos in Cyprus.—A silver drachm (circ. B.C. 360); *obverse,* Head of Aphrodite, wearing a crenelated crown; *reverse,* in Cypriote characters, Βα-σι-λε-Fο σε Σο-τα-μο-σε (?) dove flying. The head of Aphrodite on the obverse of this beautiful coin belongs to the finest period of Greek art, and no Cypriote coin bearing these types is at present known. The legend, though difficult to decipher, evidently preserves the name of a hitherto unknown King of Paphos.

Syria, Antiochus VII. (*Euergetes*).—A very rare silver drachm, new to the Museum, and not published in Babelon's *Monnaies Séleucides* in the Bibliothèque Nationale. On the reverse is the God Sandan standing on the back of a lion, as he is represented on the so-called "Tomb of Sardanapalus" on the coins of Tarsus.

Sidon in Phœnicia.—A fine bronze coin of Elagabalus, with a representation of the sacred Shrine of Astarte borne upon wheels (cf. Eckhel, *Doct. Num. vet.* III. 369).

Barce in Cyrenaica.—An extremely rare drachm (circ. B.C. 480—431), formerly in the cabinet of the late Mr. Edward Wigan; *obverse,* Silphium; *reverse,* BAP, Ram's head, in incuse square.

2. *Roman Series*:—

No very remarkable coins of this series have been added to the collection during 1893.

3. *English Series*:—

A particularly interesting series of 238 Anglo-Saxon coins (pennies) struck in Mercia, Kent, Canterbury, East Anglia, and Wessex, thus including the whole of the coin-issuing districts south of the Humber, at the end of the 8th century and the first half of the 9th century. This series comprises many new types of the coinages of the various kings of those districts, as well as a large number of new varieties, and also includes many known types not hitherto represented in the Museum collection. Amongst those which may be specially noted, are 4 coins of Beornwulf, and a similar number of Wiglaf, both kings of Mercia; 1 coin of Eadberht of Kent; 9 coins of Wulfred, and 10 coins of Ceolnoth, Archbishops of Canterbury, and 8 others struck in that city between the death of Wulfred and the accession of Ceolnoth; 39 coins of Æthelstan I., king of East Anglia, and a series of 91 coins of Ecgbeorht, king of Wessex, amongst which are two on which he is styled *Rex M(erciorum)*, a title unknown in MSS. These coins mark his conquest of Mercia, in A.D. 829, when Wiglaf was deposed, though restored by Ecgbeorht in the following year. On the reverse of one of these is the

mint-name of London (CIVITAS LVNDONIA), being the earliest instance of that mint-name on an Anglo-Saxon coin; and on the other the name of Redmund, who was Wiglaf's own moneyer before his deposition. There are also in the series numerous examples of the coinages of Coenwulf and Ceolwulf I. of Mercia, Baldred of Kent, Æthelstan I. of East Anglia, and Æthelwulf of Wessex. *Presented by A. W. Franks, Esq.*, C.B.

Eight coins of Stephen, struck at Bristol, Bury St. Edmunds, Canterbury, Chichester, Lewes, Norwich and Sudbury.

A silver badge of the Cutlers' Company, bearing the name of Thomas Dunnage, Livery Master, 1754-1764. *Presented by Sir John Evans*, K.C.B.

A silver medal commemorating the laying of the foundation stone, 25th August, 1892, of the Gravesend and Northfleet Science and Art Schools. *Presented by G. M. Arnold, Esq.*, J.P., F.S.A.

4. *Mediæval and Modern Series:—*

Nineteen foreign silver counters of the 17th century, struck in imitation of engraving, and bearing portraits of kings of France, Casimir, Duke of Bavaria, William I., Prince of Orange, various Roman Emperors, and others. *Presented by A. W. Franks, Esq.*, C.B.

Two Bavarian medals commemorating the unveiling of the Colossus of Bavaria, in 1850, and the completion of the Walhalla, in 1842. *Presented by Captain A. W. Stiffe.*

Two bronze medals, one with portraits of Jules Janssen and J. Norman Lockyer, and the other with portrait of M. S. Chevreul, both by A. Dubois; and two lead impressions from dies for striking draughtsmen in wood, both with portraits of William III., by M. Brunner. *Presented by F. Parkes Weber, Esq.*, M.D.

5. *Oriental Series:—*

Twenty-one gold coins of the Moghul Emperors of Dehli, Jehangir, Shah Jehan, and Aurangzib, and 1 silver coin of Ghiyas-ud-din Mahmud, King of Bengal. *Presented by the Asiatic Society of Bengal.*

Two silver and 17 copper coins of India, viz., of Ghiyas-ud-din Azam Shah of Bengal; of Ghiyas-ud-din Tughlak Shah of Dehli; and of the Andhra dynasty. *Presented by the Asiatic Society of Bengal.*

Twenty-seven silver coins of the Moghul Emperors of Dehli, the Pathan Kings of Bengal, the Kalachuri Kings of Chedi, &c. *Presented by the Asiatic Society of Bengal.*

Twenty-six

Twenty-six small silver coins of Yarkand, Kashgar, and other cities of Central Asia. *Presented by W. Woodville Rockhill, Esq.*

A series of 46 dated copper coins of Mysore. *Presented by Captain R. H. Tufnell.*

Five silver and seven copper coins of Baroda, 1 silver coin of Shah Alam, and 5 copper coins of various local mints of Western India. *Presented by Babu Kally Podo Ghose.*

Three gold coins of Kumara Gupta (circ. A.D. 415–455), and 1 gold coin of Afdal-ud-Daulah, Nizam of Haidarabad, A.D. 1857–1869. *Presented by Robert Taylor, Esq.*

Two silver coins of Nepal and 2 silver coins of Thibet. *Presented by W. Woodville Rockhill, Esq.*

Sixteen gold and 12 copper coins of the three first Kushān Princes of Northern India, and 21 gold coins of the later Kushāns. *From the Collection of the late Gen. Sir Alexander Cunningham.*

Six silver coins of the T'aiwan and T'ai Province manufacture and of the Canton Mint. *Presented by W. S. Ayrton, Esq., H.B.M. Consul, Tamsui.*

A series of 49 Arab glass coin-weights of the Amawee and Fatimee Khaleefehs. *Presented by A. W. Franks, Esq.*, C.B.

VI.—*Visitors to the Medal Room and the Gold Ornament Room.*

The number of visitors to the Medal Room during 1893 was 2,440.

The number of visitors to the Gold Ornament Room during 1893 was 17,900.

Barclay V. Head.

X.—British Museum (Natural History).

STATEMENT of Progress made in the Arrangement and Description of the Collections, and Account of Objects added to them, in the Year 1893.

General.

Visitors.

It is satisfactory to be able to record that a notable increase of visitors to the Natural History Collections has taken place during the past year, the number having been 408,208 (giving a daily average of 1,321 persons), as against 351,917 in 1892.

Owen Memorial.

At a meeting held in the rooms of the Royal Society, on the 21st January, 1893, His Royal Highness the Prince of Wales in the Chair, it was unanimously resolved :—"That it is desirable that the eminent services of the late Sir Richard Owen in the advancement of the knowledge of the Sciences of Anatomy, Zoology, and Palæontology should be commemorated by some suitable Memorial"; and "That the Memorial shall consist primarily of a Marble Statue, which shall be offered to the Trustees of the British Museum, to be placed in the Hall of the Natural History Museum."

The Trustees of the British Museum have expressed their willingness to receive the statue, which it is proposed, in accordance with the foregoing resolution, to offer to them, and Mr. Thomas Brock, R.A., has been entrusted by the Committee with its execution.

Swiney Lectures.

It was stated in the last Annual Return that the Trustees would consider during the Summer what steps could be taken for the better accommodation, either at the Museum or elsewhere, of those desirous of attending this course of lectures. As no suitable room could be found within the building, application was made to the Lords of the Committee of Council on Education for the use of the commodious Lecture Theatre in the South Kensington Museum. This was most readily granted, and although less convenient than if in close proximity to the specimens, the distance was not found to be too great to prevent the students adjourning, after some of the

the lectures, for demonstrations in the Palæontological Galleries of the Museum. This can, however, only be looked upon as a temporary arrangement.

The subject of Professor Nicholson's fourth course was "The Bearings of Geology on the Distribution of Animals and Plants." The lectures, 12 in number, were attended by a total of 2,798 persons, giving an average of 233 at each.

Dr. J. W. Gregory.

Special leave of absence having been granted by the Trustees to Dr. J. W. Gregory, an Assistant in the Department of Geology, for the purpose of making collections in British East Africa, he arrived in the month of March at Mombasa, where he fitted out a small expedition of 40 Zanzibaris. He followed the ordinary Uganda road for 450 miles, passing through Tzavo, Kibwezi, Machakos, and Kikayu to Lake Naivasha. Thence across new ground he reached Lake Baringo, explored this district, and crossed Laikipi to Kenia. This mountain was ascended to the height of 17,500 feet, some 3,000 feet higher than any previous ascent; five glaciers were discovered upon it, and an interesting series of plants collected. The return march to the coast was made down the valleys of the Thika-thika and Sabaki. In addition to the considerable collections made for the Museum, much new country was explored and mapped, and the information thus obtained has been of use to another Government Department. The geological observations made by Dr. Gregory are of considerable importance as affording data for a much more detailed geological map of this region of Africa than has hitherto been possible.

Pascoe Collection.

The most important acquisition during the year has been the Pascoe Collection of Insects, mainly Coleoptera, towards the purchase of which a special grant of 2,000*l.* was voted by Parliament. This magnificent collection was brought together by the late Mr. F. Pascoe, F.L.S., who had been engaged in its formation for about 45 years. It consists of about 49,000 specimens, the greater number of which are systematically arranged and named, and includes over 3,000 type-specimens.

Presents.

Over 1,300 presents have been received during the year, many of them embracing large numbers of specimens. The details of all the more important of these will be found in the Reports of the Keepers of the several Departments of the Museum,

but the following are mentioned here also as being of special interest :—

From the Lords of the Admiralty.—Further consignments of zoological specimens, collected by Messrs. J. J. Walker, Chief Engineer, and P. W. Bassett-Smith, Surgeon, of H.M.S. "Penguin," during the surveying operations of that vessel among the East Indian Islands and in the China Seas.

From Mrs. Stainton.—The collection of Lepidoptera formed by her husband, the late Mr. H. T. Stainton, F.R.S. ; his entomological correspondence ; and an extremely valuable series of his original drawings of the larvæ of Micro-lepidoptera. Certain portions of this collection, representing the materials on which Mr. Stainton's various publications are mainly based, will be preserved intact, and permanently distinguished as the " Stainton Collection."

From J. C. Williams, Esq., M.P.—510 specimens of Minerals, mostly Cornish, selected from the collection brought together by the father and grandfather of the donor. These specimens form a series which, owing to the closing of so many Cornish mines and the change of mineral conditions in others, it would be impossible to make in the present day. They have been arranged in four window-cases in the Mineral Gallery, where they will be exhibited together for a year or two, before incorporation into the General Collection.

From F. D. Godman and O. Salvin, Esqrs.—The remaining portion of their collection of skins of American birds, consisting of 11,704 specimens ; a series of 8,016 Mexican birds ; and a collection of 1,267 eggs brought together by the American ornithologist Henshaw, and acquired by Mr. Godman some years ago.

A further instalment of their collection of Central American Coleoptera, consisting of 12,636 specimens of the family Heteromera, and including 1,717 of the 1,776 species recorded from Central America, among which are the types of 1,295 species described as new.

Also the first instalment of their collection of Rhynchota from Central America, consisting of 937 species, represented by 5,543 specimens, of which 584 are types.

From H. H. Johnston, Esq., C.B., Her Britannic Majesty's Commissioner and Consul-General for British Central Africa. —A valuable collection of animals from various localities in the Protectorate, many of the species being new either to science or to the Museum collection.

From

From the family of the late Sir Richard Owen, K.C.B.—A large number of pamphlets, official documents, drawings of zoological specimens, and natural history papers, of interest to the Museum, or concerning the collections, selected from the papers left by Sir Richard Owen.

From Charles Tyler, Esq.—An original bust in plaster of the late Dr. J. S. Bowerbank.

Exchanges.

Exchanges of specimens have been made as follows:—

Of zoological specimens.—With the Indian Museum, Calcutta; the Otago University Museum; the Royal Zoological Museum, St. Petersburg; Mr. E. Gerrard, Junr.; Mr. W. Taylor; Mr. P. Dautzenberg; and with Mr. D. J. Adcock.

Of fossils and casts of fossils.—With Professor F. Loewinson-Lessing, of Dorpat University; Professor A. Pavlow, of Moscow University; Mr. B. Sturtz; Professor F. Schmidt, of the Imperial Academy of Sciences, St. Petersburg; and with Madame A. Pavlow.

Of minerals and meteorites.—With the Manchester Museum, Owens College; and with the Natural History Museum, Paris.

Duplicates.

Several additions have been made to the list of institutions to receive duplicate specimens of natural history; and grants have been made to the Oxford Museum (zoological specimen); the Indian Museum, Calcutta (minerals); and to Baron Nordenskiöld, for the Riks Museum, Stockholm (meteorite).

Catalogues and Guide-Books.

The following Catalogues have been published during the year:—

Catalogue of the Birds in the British Museum:—Vol. XXI. Catalogue of the Columbæ, or Pigeons, by T. Salvadori. *Pp. xvii.*, 676; 15 *coloured plates*, [With Systematic and Alphabetical Indexes.] 8vo. 1*l.* 10*s.*

Vol. XXII. Catalogue of the Game Birds (*Pterocletes, Gallinæ, Opisthocomi, Hemipodii*), by W. R. Ogilvie-Grant. *Pp. xvi.*, 585: 8 *coloured plates.* [With Systematic and Alphabetica Indexes.] 8vo. 1*l.* 6*s.*

Catalogue of the Snakes in the British Museum (Natural History). Vol. I., containing the families Typhlopidæ, Glauconiidæ, Boidæ, Ilysiidæ, Uropeltidæ, Xenopeltidæ, and

Colubridæ aglyphæ, part, by George A. Boulenger. *Pp. xiii.* 448: 26 *woodcuts and* 28 *plates.* [With Systematic and Alphabetical Indexes.] 8vo. 1*l.* 1*s.*

Illustrations of Typical Specimens of Lepidoptera Heterocera in the Collection of the British Museum. Part IX., the Macrolepidoptera Heterocera of Ceylon, by George Francis Hampson. *Pp. v.*, 182: 20 *coloured plates.* [With a General Systematic List of Species collected in, or recorded from, Ceylon.] 4to. 2*l.* 2*s.*

Catalogue of the Madreporarian Corals in the British Museum (Natural History). Vol. I. The Genus Madrepora, by George Brook. *Pp. xi.*, 212: 35 *collotype plates.* [With Systematic and Alphabetical Indexes, &c.] 4to. 1*l.* 4*s.*

The under-mentioned Guide-books have been published:—

A General Guide to the British Museum (Natural History). New Edition. *Pp.* 78: 2 *plans*, 2 *views, and an illustrated cover.* 8vo. 3*d.*

Guide to the Galleries of Reptiles and Fishes in the Department of Zoology. Third Edition. *Pp. iv.*, 119: 101 *woodcuts and* 1 *plan.* [With Index.] 8vo. 6*d.*

Guide to Sowerby's Models of British Fungi in the Department of Botany, by Worthington G. Smith. *Pp.* 82: 93 *woodcuts.* [With Table of Diagnostic Characters and Index.] 8vo. 4*d.*

The Student's Index to the Collection of Minerals. New Edition. *Pp.* 32. [With a Plan of the Mineral Gallery.] 8vo. 2*d.*

An Introduction to the Study of Minerals, with a Guide to the Mineral Gallery. *Pp.* 120. [With numerous Diagrams, a Plan of the Mineral Gallery, and an Index.] 8vo. 6*d.*

Reprints have also been issued of the Guide to the Mineral Gallery (*pp.* 32: 1 *plan.* 8vo. 1*d.*), and the Introduction to the Study of Meteorites (*pp.* 91: plan and index. 8vo. 3*d.*).

Presentations of publications have been made to numerous Free Public Libraries and other institutions in Great Britain and Ireland; to many Indian, Colonial, and Foreign Libraries and Museums; and to a number of individuals who have either assisted in the preparation of the Catalogues or been benefactors to the Museum.

Exchanges of Catalogues and Guide-books have been made with various British, Colonial, and Foreign institutions, and additions have been made to the List of Societies which have agreed to an interchange of publications.

The

The following Catalogues are in preparation :—

A General Catalogue of the Books in the Departmental and General Libraries.

Catalogue of Birds, Vol XXIII. (Rails, Cranes, and Bustards) and Vol. XXIV. (Waders), by Dr. R. B. Sharpe; Vol. XXV. (Gulls and Petrels), by Mr. H. Saunders and Mr. O. Salvin; Vol. XXVI. (Divers, Pelicans, Cormorants, and Herons), by Dr. R. B. Sharpe; and Vol. XXVII. (Geese, Ducks, and the remainder of the class of Birds), by Count T. Salvadori.

Catalogue of Snakes, Vol. II., by Mr. G. A. Boulenger.

Catalogue of Fishes, Second Edition, Vol. I., by Mr. G. A. Boulenger.

Catalogue of British Lichens, by the Rev. J. Crombie.

Catalogue of Mycetozoa, by Mr. A. Lister.

Catalogue of Fossil Fishes, Part III., by Mr. A. Smith Woodward.

Catalogue of Fossil Cephalopoda, Part III., by Mr. A. H. Foord.

Catalogue of Wealden Plants, Part I., by Mr. A. C. Seward.

Central Hall.

No new case illustrating general Natural History has been added to the series in the Central Hall during the year, but various improvements and additions have been made in the morphological series arranged in the alcoves, the educational character of which is proving very attractive to students, and the principal features of which are now being copied in many other museums, both in England and abroad.

General Library.

The additions to the General Library during the past year have been :—

By purchase - - -	328 volumes and	2 maps.
By donation - - -	301 volumes and	28 maps.
By transfer from other Departments - -	76 volumes.	
Total - -	819 volumes and	30 maps.

All these works have been catalogued, press-marked, stamped, and placed on the shelves.

The extent of this collection on the 31st of December was 22,760 volumes and 3,675 maps.

The work of cataloguing the books in the Departmental Libraries has been continued during the year, with the following results :—

395	title-slips have been prepared and revised for the Botanical Library,
800	for the Geological Library,
177	for the Mineralogical Library, and
9,385	for the Zoological Library.
10,757 - -	Total.

The work in the General Library, and in the Libraries of the Botanical, Geological, and Mineralogical Departments, has been kept up to date. The cataloguing of the Books in the Zoological Library was practically completed with the close of the year.

In the coming year the task of preparing the title-slips finally for press will be undertaken.

W. H. Flower,
Director

British Museum (Natural History),
31 March 1894.

Department of Zoology.

The principal events in the progress of this Department in the year 1893 have been the following :—

(*a.*) The erection of the new part of the building which contains the collections of specimens preserved in spirit was commenced in 1891, as described in the report for that year; the building was ready for occupation about the middle of last year. Although by this addition the storeage space has been increased to a total of 1,156 feet of wall, or upright cases 10 feet high, and to 796 feet of table-cases, it has not proved to be in any way excessive of the actual requirements of these collections. All the spirit specimens hitherto stored in the main building have been removed, and those accumulated in the old part of the spirit house have been extended, so as to allow of future accessions being easily incorporated in their proper systematic places. During this operation almost all the bottles had to be transplaced, and advantage was taken at the same time to thoroughly clean them, and to restore a general orderly arrangement which could not be maintained whilst the cases were in an overcrowded condition.

(*b.*) The arrangement of the collection of Birds' Eggs, which was entrusted to Mr. Seebohm in 1891, has been completed. All these specimens, 46,900 in number, are named, and have written upon them references to the locality where, and generally to the date when, they were collected; besides, they are entered in a systematic manuscript list. This collection fills 33 cabinets, with 30 drawers each, the Eggs themselves being placed in glass-top boxes filled with cotton-wool.

(*c.*) By a special grant made by the Lords Commissioners of Her Majesty's Treasury the Trustees were enabled to acquire the celebrated collection of Beetles formed by the late Mr. Francis P. Pascoe, and thus probably to prevent its removal to a foreign country. This collection is one of the most important to the student of Coleoptera, not only on account of its extent (it comprises about 49,000 specimens), but principally on account of the authentic determination of the specimens, and the enormous number of types, which alone amounts to some 3,200. It is particularly rich in species of the families of Longicorns and Curculionidæ, to the study of which Mr. Pascoe devoted himself for more than 40 years, and to the knowledge of which special interest is attached from an economic point of view, inasmuch as the larvæ of these beetles are wood-borers, doing an immense amount of injury to young trees and valuable timber. The acquisition of this collection will prove an inestimable boon to British and Colonial Entomologists, and greatly accelerate the progress of the work of the Coleopterists of the Department.

(*d.*) The donation of the collection of Lepidoptera formed by the late Henry Tibbats Stainton, Esq., F.R.S. Although with regard to the number of specimens and species, far surpassed by the Pascoe Collection, this collection nevertheless rivals the latter in respect of its scientific and historical value. Mr. Stainton was one of the most eminent Entomologists of his time, who not only, as editor of three journals, devoted to this branch of science, and as author of several standard works, advanced Entomology as a popular pursuit, but who, by his researches into the life-histories of Microlepidoptera, laid the foundation of their study in this country. The whole of his collection consists of 33,569 specimens; of these, the materials on which his principal works are mainly based, are by far the most important; therefore, they will not be incorporated in the general collection, but be preserved by themselves in their original arrangement as the "Stainton Collection."

This collection has been presented to the Trustees by Mr. Stainton's widow, who was his constant companion in all his work and travels, and who has supplemented her donation by the additional gift of her husband's entomological correspondence, and of an extremely valuable series of beautifully executed drawings of the larvæ of Microlepidoptera, many of which are still unpublished.

(*e.*) Messrs. Godman, Salvin, and Seebohm have enriched the collections of Birds and Insects by further consignments, which, together with the collections mentioned, have swelled the total number of Zoological specimens acquired in 1893 to 130,185, a higher number than has ever been reached before within the period of a single year.

(*f.*) Finally, it is with extreme regret that the Keeper of the Department has to report that the progress of arranging and cataloguing the collection of Corals has been suddenly interrupted by the premature death, from heat-apoplexy, of Mr. George Brook at the early age of 36 years. The Trustees had engaged for this work the services of Mr. Brook two years ago; and no better evidence of the high qualifications of this talented man could be found than the volume of the "Catalogue" which he prepared in that period, and which was published only a few months before his death.

I.—*Arrangement.*

1. The additions to the collection of Mammalia, have been entered in the Catalogues as soon as they were examined and named.

2. The arrangement of the Study Collection of Bird-skins has proceeded with the progress of the "Catalogue"; and included the specimens catalogued in volumes 21, 22, and 23. The second cabinet, containing the exhibited Eggs of British Birds, has been completed.

3. The

3. The additions to the collections of Reptiles and Fishes have been incorporated and entered in the printed catalogues as soon as the specimens were examined and named. The rearrangement of the collection of Snakes and of Percoid Fishes has been proceeded with.

4. The rearrangement of the general collection of Land and Fresh Water Shells has been continued; 680 type specimens from the collection of the late M. A. Morelet, obtained by purchase, have been identified, by comparison, with the original descriptions. The species of the family *Cuspidariidæ* and of the genus *Sphenia* have been remounted in glass-topped boxes and arranged in their genera and sub-genera; the Australian species of *Chitonidæ* have been determined. Collections of Land and Fresh Water Shells from British Central Africa, Palawan, Balabac, the Sulu Islands, &c., have been worked out and reported on.

5. The care of the collection of Crustacea has been transferred to the Assistant in charge of the Echinoderms and Worms.

The manuscript list of the Scorpions has been nearly finished. A considerable number of new species of Myriopods and Scorpions have been described.

6. Of the Pascoe Collection the specimens of the families *Lucanidæ* and *Passalidæ* have been incorporated with the general collection; the re-arrangement of Phytophagous Coleoptera and the incorporation of accessions belonging to this group have been proceeded with; a collection sent from British Central Africa by Mr. H. H. Johnston, C.B., has been worked out, and the new species have been described.

7. The arrangement of the Lepidoptera, on which work three specialists are engaged, has again made considerable progress. The genera *Cyanandra, Atarica, Euryphene, Euryphœdra. Euphœdra, Harma,* and others have been expanded and re-arranged; and a large number of labels bearing cross references to the Hewitson Collection have been inserted in the drawers, in order to facilitate reference to that collection, which, according to the terms of the bequest, is still kept in separate cabinets.

In the Heterocerous Lepidoptera the arrangement of the tribe Noctuites has made further progress, all corrections of synonymy being entered in the "Catalogue" and published; lists of the Geometrites and Crambites have been completed, and part of the *Phycitidæ* have also been arranged and catalogued. Two large collections of Lepidoptera, sent by Mr. H. H. Johnston, C.B., from Nyassa Land, others from North America, the Falkland Islands, and Chili, have also been determined and reported on, and, with a number of smaller accessions, incorporated. The preparation of an Index to Walkerian types, referred to in the Report for 1891, and the labelling of types have been continued.

8. The working out of the general collection of *Syrphidæ* has been continued; but the greater part of the time of the Assistant in charge of the Diptera has been devoted to perfecting the new collection of British species. The families *Limnotidæ, Tipulidæ, Chironomidæ, Bibionidæ*, and *Muscidæ* have been worked out and arranged so far as the available material permitted.

9. The Assistant in charge of the Hymenoptera, Neuroptera, Orthoptera, and Rhynchota had to devote a great part of his time in helping in the arrangement of the Lepidoptera, but, besides, he worked out a collection of Ceylonese Odonata, presented by Colonel Yerbury, and commenced the rearrangement of *Phasmidæ* in accordance with the recent classification proposed by Brunner von Wattenwyl.

10. During the transfer of the collections into the new part of the Spirit Building, the whole of the alcoholic specimens of the Crustacea have been rearranged in a general manner; and an Alphabetical Index has been prepared of the genera to ensure ready access to any specimens that may be required.

Additions to the Echinoderms and Vermes have been named and incorporated; the manuscript list of Asteroidea has been completed, and that of the other groups of Echinoderms brought up to date.

The catalogue of the genus *Madrepora* and the arrangement of the specimens has been completed.

11. Lists of the *Bryozoa, Hydrocorallinæ, Medusæ*, and *Hydroida Gymnoblastea* have been prepared, and the labels of the exhibited specimens of *Hydrozoa* and *Bryozoa* and of nearly all the Sponges have been revised.

The examination and arrangement of the Parker Collection of Foraminifera has been completed.

II.—*Registration.*

With the exception of the Pascoe and Stainton Collections, the specimens obtained during the year, whether by purchase, presentation, or exchange, have been entered in the manuscript registers of accessions, and the register-numbers attached to them. For future reference the date and mode of acquisition, the exact locality where the specimens were obtained, the name of the collector, and any other particulars of interest respecting them, are entered.

III.—*Conservation.*

The re-transference of the alcoholic specimens of Mammalia and Mollusca from the Tower-rooms to the Spirit Building, and the redistribution of the specimens of all classes in the old

old and new cases have occupied about five months of the year. During the progress of this work the spirit in many of the bottles had to be renewed and new labels had to be prepared to show the contents of the cases.

The usual work of conservation has been continued by dusting and cleaning, in rotation, the exhibited specimens, placing the study collections of Bird-skins, Shells, Dried Sponges, Echinoderms, and Polyzoa in glass-topped boxes, and renewing the camphor or naphthaline in the wall cases, store-cabinets, and some of the Insect-drawers. Of other work coming under this heading the following should be specially mentioned :—

1. Some of the Store-cupboards of the Osteological Gallery and of the Basement Store-room have been refitted with bolts, velvet, &c., so as to better exclude dust.

Specimens of Mammalia have been mounted for exhibition, such as a Tibetan Bear (*Ursus pruinosus*); a Coke's Hartebeest (*Bubalis cokei*); a Swayne's Hartebeest (*Bubalis swaynei*); a Topé Hartebeest (*Bubalis jimela*); a Pallah (*Aepyceros melampus*); an East African Gnu (*Connochætes albojubatus*); a Kudu (*Strepticeros kudu*); a Tibetan Stag (*Cervus thoroldi*).

Skeletons have also been mounted of a Northern Fur Seal (*Callorhinus ursinus*), and a Bottle-nose Whale (*Hyperoodon rostratus*).

2. Three groups, illustrating the nesting habits of British Birds, have been completed, viz. : Greater Black-backed Gull, Dotterel and Greenfinch. A group of Swifts (*Collocalia fuciphaga*) producers of the edible Swallow-nests, with their nests attached to the rock, has been added to the general collection. Mr. C. Hose, who collected the materials in one of the celebrated caves in Sarawak, superintended personally the construction and mounting of this group.

3. Further additions have been made to the case containing mounted specimens of Batrachians in the Reptile Gallery.

Stuffed specimens of *Ceratodus forsteri*, of a Tarpon (*Megalops thrissoides*) and a Mahaseer (*Barbus tor*), also two skeletons of large Sword-fishes (*Histiophorus brevirostris*) have been mounted and exhibited in the Fish Gallery.

4. A considerable series of shells from the "Morelet" and other collections has been mounted on tablets and placed on exhibition in the table-cases.

The collection of British shells has been expanded, and additional examples have been mounted and incorporated.

6–9. A great number of insects have been set; others, which had been badly mounted or placed on short pins, have been reset, on a higher level, and on the plan now usually adopted in English collections.

The following additions have been made to the series of

models in the Insect Gallery, illustrating the life-histories of injurious and other insects :—

Oak, showing injury done by a moth (*Tortrix viridana*); Currant, showing injury caused by a clear-wing moth (*Trochilium tipuliforme*); Oak, showing galls formed by two Hymenopterous Insects (*Andricus terminalis* and *Biorhiza aptera*); Rose, showing galls formed by a Hymenopterous Insect (*Rhodites eglanteriæ*); Aspen, showing the injury caused by a Long-horn Beetle (*Saperda populnea*); Birch, showing leaves curiously cut and twisted by the Birch weevil (*Rhynchites betulæ*).

To the series illustrating the metamorphoses of Insects the following additions have been made :—

Metamorphoses of a Saw-fly (Genus ?); of a Moth (*Actias*); of Dragon-flies (*Æschna* and *Agrion*); of Locusts (*Titanacris* and *Pseudophyllanax*); of a Stick-Insect (*Eurycantha*); of a Water-boatman from Madagascar (*Hydrocyrius*), carrying a cluster of eggs on its back; also larvæ and pupæ of various flies; specimens, accompanied by drawings and descriptive labels, illustrating the life-histories of the common Blow-fly (*Calliphora*); of Lady-birds (*Coccinellidæ*); of Lace-wing flies (*Chrysopidæ*) and of Hover flies (*Syrphidæ*).

The following have also been added to the exhibited series: A specimen of Sugar-cane showing the injury done by a small beetle (*Xyleborus perforans*) from Trinidad; two nests of the English hornet (*Vespa crabro*); photographs (accompanied by specimens) of a swarm of Locusts which occurred in Algeria.

10. The most interesting additions to the exhibited series in the Starfish Gallery are an example of *Strongylocentrotus drobachiensis* showing its pedicellariæ, and the stalked larval stage of *Antedon eschrichti*. The exhibited set of *Cidaridæ* has been rearranged, in order that the specimens may be seen to better advantage.

In the Coral Gallery a complete revision of the exhibited series of *Madrepora* was made on the completion of the Catalogue. Diagrams and explanatory labels, showing the position in the Animal Kingdom and characteristics of the *Madreporidæ* were prepared and other descriptive labels were attached to various specimens. Among those exhibited for the first time is a reef-coral taken alive from the Macclesfield Bank at a depth of 31 fathoms. A case containing various Marine Invertebrates has been set up with the object of showing how these animals are often found living together.

A selection from the photographs of the Great Barrier Reef issued by Mr. Saville-Kent has been placed on the wall.

Many specimens of Stony Corals have been mended, and, being of large size, have been mounted and placed in the exhibition cases.

The

The study-series of Madrepores has been placed in 120 store-boxes and a list of their contents prepared.

Among the additions to the exhibited collection of *Antipatharia* attention may be called to the series of examples of *Stichopathes gracilis* from Madeira, found growing on a rock.

11. A selection of *Hydrocorallinæ* has been made for exhibition, and the specimens have been re-labelled.

IV.—*Duplicates.*

The time of the staff has been too much occupied to allow of a distribution of duplicates amongst museums; but six Mammalia, 753 Birds, seven Frogs, and 232 Shells were utilized in exchanges.

V.—*Departmental Library.*

The Departmental Library has acquired, by purchase, presentation, and exchange, 53 separate works in the same number of volumes, besides 706 parts of periodicals, and 109 parts of works in progress; 66 of which are now completed. The total number of works now in the Library is 9,903, represented by 15,962 volumes.

All the additions during the year have been entered in the Purchase and Presentation Books, catalogued, press-marked, stamped, and placed on the shelves; 163 volumes have been bound.

VI.—*Catalogues.*

The following Catalogues have been issued during the year 1893 :—

1. A new edition of the Guide to the Galleries of Mammalia (4th ed., 8vo. 126 pp., 57 woodcuts and 2 plans).

2. Catalogue of Birds, Vol. XXI., Columbæ (8vo. 676 pp., 15 plates), by Count Salvadori.

3. Catalogue of Birds, Vol. XXII., Gallinæ (8vo. 588 pp., 8 plates), by W. R. O. Grant.

4. Catalogue of Snakes (Second Edition), Vol. I. (8vo. 448 pp., 28 plates and numerous woodcuts), by G. A. Boulenger.

5. Illustrations of Typical Specimens of Lepidoptera Heterocera, Part IX.; The Macrolepidoptera Heterocera of Ceylon (4to. 182 pp., 20 plates), by G. F. Hampson.

6. Catalogue of the Madreporarian Corals, Vol. I., The Genus Madrepora (4to. 212 pp., 35 plates), by G. Brook.

In addition to the above works, the manuscripts of Volumes XXIII., XXIV. and XXV. of the "Catalogue of Birds," of the second volume of the "Catalogue of Snakes," and of the first volume of a "Catalogue of Percoid Fishes" are in course of preparation. The services of Mr. G. F. Hampson, who gratuitously undertook the preparation of the manuscript of the ninth part of the Heterocerous Lepidoptera and the supervision of the plates, are deserving of special acknowledgment.

The following are the most important reports or descriptive papers which have been prepared by the Departmental Staff in connection with various parts of the collection, especially recent acquisitions, and have been published in scientific journals:—

1. "On Mammals from Nyassaland"; "On a second collection of Mammals sent by Mr. H. H. Johnston from Nyassaland"; "Descriptions of two new Rodents from the Victoria Nyanza"; "Description of a new Monkey of the genus Semnopithecus"; "On some Mammals from Central Peru"; "On a new Cephalophus from Mount Kilima-njaro"; "Description of a new Porcupine (*Hystrix galeata*) from East Africa"; "Descriptions of nine new Bornean Mammals"; "Descriptions of eleven new Mexican and Central American Rodents," by O. Thomas.

2. "Notes on the Rails of the Leyden Museum"; by R. B. Sharpe. "Notes on the changes of plumage of the Red Grouse," by W. R. O. Grant.

3. "Second Report on a collection of Reptiles, Batrachians and Fishes transmitted by Mr. H. H. Johnston, C.B., from British Central Africa"; "Descriptions of the Reptiles and Fishes collected by Mr. E. Coode-Hore on Lake Tanganyika," by Dr. A. Günther. "Concluding Report on the Reptiles and Batrachians obtained in Burma by Signor L. Fea"; "Descriptions of new Reptiles and Batrachians obtained in Borneo by Mr. A. Everett and Mr. C. Hose"; "On a little-known European Viper (*Vipera ursinii*)"; "Description of a new Blennioid Fish from Kamtchatka"; "Note on the variations of the three-spined Stickleback"; "List of the Fishes collected by Mr. Oates in the Shan States," by G. A. Boulenger.

4. "Descriptions of new species of Land-shells from Borneo"; "Note on the genera *Geothauma* and *Gyrostropha*"; "Descriptions of new species of *Helix*, *Rissoina*, and *Actæon*"; "Observations on the genus *Sphenia*, with descriptions of new species"; "Descriptions of six new species of Land-shells from Annam"; "Notes on some species of Land-shells from New Guinea"; "Description of a new species of *Acroptychia*"; "On the generic names to be applied to the *Nerita aurita* and other allied species"; "Notes on *Cypræa greegori*, Ford"; "On a small collection of Land-shells from Palawan and Balabac"; "On a collection of Land and Freshwater Shells from British Central Africa," by E. A. Smith.

5. "On some Points in the Morphology of the Arachnida, with notes on the classification of the group"; "Contributions to our knowledge of the Arthropod Fauna of the West Indies. Part I., Scorpiones and Pedipalpi; with a supplementary note on the Freshwater Decapoda of St. Vincent. Part II.,

Part II., Chilopoda"; "A contribution to the study of Neotropical Scorpions"; "Notes of the classification of Scorpions, followed by some observations upon synonomy, with descriptions of new Genera and Species"; "On the classification of the Tracheate Arthropoda"; "Description of a new species of Tree-trap-door-Spider from Trinidad"; "Upon the identity of some of the types of Diplopoda contained in the Collection of the British Museum, together with descriptions of some new species of exotic *Iulidæ*"; "Report upon the Stomatopod Crustaceans obtained by P. W. Bassett-Smith, Esq., during the cruise in the Australian and China Seas of H.M.S. 'Penguin,' Commander W. U. Moore"; "Report upon the *Iulidæ*, *Chordeumidæ*, and *Polyzonidæ* collected by Sig. L. Fea and E. W. Oates"; "Scorpions from the Malay Archipelago" in Max Weber's Zoologische Ergebnisse einer Reise in Niederländisch Ost Indien, by R. I. Pocock.

6. "Notes on the Longicornia of Australia and Tasmania, with a list of the species collected by Mr. J. J. Walker, R.N., and descriptions of new forms"; "Descriptions of some new Genera and Species of Longicorn Coleoptera from the Indian Region"; by C. J. Gahan.

7. "List of Insects collected by Miss Elizabeth Taylor in Western North America in the Summer of 1892," by A. G. Butler and W. F. Kirby; "Notes on the Genus *Entomogramma*, as represented by Noctuid Moths of that Group in the Collection of the British Museum"; "On a small collection of Lepidoptera from Darwin Harbour, Falkland Islands"; On a small collection of Lepidoptera from Chili"; Notes on the Synonomy of Noctuid Moths," "On certain species of North American Hypenidæ," by A. G. Butler.

8. "Descriptions of new species of Australian *Hesperiidæ*"; "Descriptions of five new species of Australian Saw-flies," by W. F. Kirby.

9. "Descriptions of new species of Dipterous Insects of the Family *Syrphidæ*, in the Collection of the British Museum, with notes on species described by the late Francis Walker. Part I., *Bacchini* and *Brachyopini*," by E. E. Austen.

10. "On a small collection of Crinoids from the Sahul Bank"; "On *Odontaster* and the allied or synonymous genera of Asteroid Echinoderms"; "Description of a remarkable Sea-Urchin of the genus *Cidaris* from Mauritius," by F. J. Bell.

Finally, the following work should be referred to as being largely based upon the collection in, and the Catalogue published by the British Museum:—

"A Monograph of the Hirundinidæ, or Family of Swallows," by R. Bowdler Sharpe and Claude W. Wyatt. Parts XVI. and XVII. Lond. 1893. 4to.

VII.—*Acquisitions.*

During the past year the Department has been increased by the addition of 130,185 specimens, which are distributed among the various branches as follows :—

	By Presentation.	By Purchase.	By Exchange.	TOTAL.
Mammals	439	262	81	782
Birds — Seebohm Collection of Wading Birds	289	—	—	289
Birds — Seebohm Collection of Eggs	8,273	—	—	8,273
Birds — Godman and Salvin Collection	882	—	—	882
Birds — Other sources	1,618	202	162	1,982
Reptiles	555	164	97	816
Batrachians	218	172	29	419
Fishes	491	1,062	6	1,559
Mollusca — Morelet Collection	—	2,040	—	2,040
Mollusca — Other sources	2,565	427	639	3,631
Bryozoa	83	—	—	83
Crustacea	997	48	1	1,058
Arachnida	430	22	17	469
Myriopoda	258	—	2	260
Insects — Pascoe Collection	—	48,870	—	48,870
Insects — Stainton Collection	33,569	—	—	33,569
Insects — Godman and Salvin Collections	18,179	—	—	18,179
Insects — Walker Collection	2,486	—	—	2,486
Insects — Other sources	1,439	2,003	45	3,487
Vermes	89	1	2	92
Echinoderms	337	3	12	352
Sponges	168	—	—	168
Anthozoa — Bassett-Smith Collection	255	—	—	255
Anthozoa — Other sources	29	35	4	68
Hydrozoa	78	15	—	93
Protozoa	23	—	—	23
TOTAL	73,750	55,326	1,109	130,185

as

as compared with 76,011 in the year 1892

48,771	„	1891.
77,658	„	1890.
69,270	„	1889.
44,087	„	1888.
65,199	„	1887.
36,358	„	1886.
123,358	„	1885.
45,574	„	1884.

The most important acquisitions were the following:—

1. Two collections from the Nyassa district of British Central Africa, comprising one hundred and twenty-six Mammals, three hundred and thirty-four Birds, one hundred and two Reptiles and Batrachians, one hundred and three Fishes, one hundred and twenty-eight Land and Freshwater Shells, two hundred Coleoptera, and five hundred and sixty-two Lepidoptera; presented by H. H. Johnston, Esq., C.B., H.B.M. Commissioner for Nyassaland. These collections were a valuable contribution to our knowledge of the distribution of animal life in tropical Africa, and formed the subject of several of the reports already mentioned above.

2. Forty-eight Mammals, including the types of five new species; also the type specimens of forty-three new species of Birds discovered in Equatorial East Africa during an expedition to Uganda and Mount Elgon, through the territories of the Imperial British East Africa Company; presented by F. J. Jackson, Esq.

3. The third instalment of Mr. Seebohm's collection of Birds' eggs, consisting of eight thousand two hundred and seventy-three specimens of eggs of *Passeriformes*; bringing the total number of eggs presented by him up to sixteen thousand two hundred and ninety; presented by Henry Seebohm, Esq.

4. A series of two hundred and eighty-nine skins of Wading Birds and Herons; presented by Henry Seebohm, Esq.

5. Two thousand and forty specimens of Land and Freshwater Shells, including the types of six hundred and eighty species; forming part of the collection of the late M. Arthur Morelet, of Dijon; purchased.

6. Fifty-three Ostracoda and five hundred and forty-four Copepoda, collected on the West Coast of Africa, by the Telegraph steamer "Buccaneer," identified by Mr. Thomas Scott, and presented by the Royal Society.

7. Further consignments of collections made during the voyage of H.M.S. "Penguin," under the command of

Captain W. U. Moore, were received by the Lords of the Admiralty, and presented by them to the Trustees. They consisted of thirty-four Reptiles, twenty-seven Batrachians, thirty-one Fishes, one hundred and seventy-seven Land and Freshwater Shells, thirty-four specimens of *Thelphusa* and other freshwater Crustacea, nineteen Myriopoda, one thousand seven hundred and fifty-five Coleoptera, two hundred and eight Hymenoptera, one hundred and thirty-one Hemiptera, and three hundred and ninety-two Insects of various other Orders; also fourteen Worms. These collections were made chiefly in China by Messrs. J. J. Walker, Chief Engineer, and P. W. Bassett-Smith, Medical Officer, the same gentlemen to whose energy the Museum is indebted for similar contributions in previous years.

8. A collection consisting of two hundred and sixty-four Malacostraca and Cirripedia, two hundred and forty-three Echinodermata, including examples of *Eudiocrinus granulatus* and *Ophiopteron elegans*, as well as fine series representing the changes due to growth of known species, two hundred and fifty-five Anthozoa, fifteen species of Foraminifera, thirteen Sponges, nine Hydrozoa, and twenty-four Bryozoa, collected by P. W. Bassett-Smith, R.N., when Acting Surgeon of H.M.S. "Egeria," under the command of Commander A. M. Field; presented by the Lords of the Admiralty.

9 and 10. The Pascoe collection of Coleoptera and the Stainton collection of Lepidoptera have been referred to in the introductory remarks of this Report.

11. The eleventh instalment of Central American Coleoptera, consisting of twelve thousand six hundred and thirty-six specimens of Heteromera, representing no less than one thousand seven hundred and seventeen species, and including the types of one thousand two hundred and ninety-five species described by Mr. G. C. Champion, in the "Biologia Centrali-America;" presented by F. D. Godman, Esq., F.R.S., and O. Salvin, Esq., F.R.S.

12. The first instalment of Central American Hemiptera, including the *Pentatomidæ*, *Coreidæ*, *Lygæidæ*, *Pyrrhocoridæ* and *Capsidæ*, described by Mr. W. L. Distant in the "Biologia Centrali-Americana." Of the one thousand one hundred and eight species enumerated, nine hundred and thirty-seven are in the present consignment, and represented by five thousand five hundred and forty-three specimens, including the types of five hundred and eighty-four new species; presented by F. D. Godman, Esq., F.R.S., and O. Salvin, Esq., F.R.S.

13. A collection of five hundred and sixty-nine specimens of Lepidoptera Heterocera, in fine condition, chiefly from Chili

Chili and other parts of South America, many of them desirata to the Museum series; presented by J. J. Walker, Esq., R.N.

14. The collection made by Dr. John Walter Gregory during his expedition to Mount Kenia; it consists of forty-six Mammals, seventy-three Reptiles, sixteen Batrachians, fifty Fishes, one hundred and nineteen Land and Freshwater Shells, nine Freshwater Crustaceans, thirty-nine Arachnida, and forty-three Myriopods; beside a large number of Insects of all orders, which have not yet been examined, and must be deferred to the next Annual Report.

Mammalia.—The additions to this class during the year were seven hundred and eighty-two; they include thirty-three species new to the collection, and twenty-two types. The following are most worthy of note :—

Fifteen ancient British skulls, dredged from the bed of the Thames, near Kew; presented by G. F. Lawrence, Esq.

The skeleton of an Australian woman, from South Australia; presented by Dr. G. Lindsay Johnson.

Twenty-one Mammals from Norway; received in exchange from the Christiania Museum.

Nine Mammals from Corsica; presented by Colonel J. W. Yerbury.

A Stag (*Cervus elaphus*) and two Caucasian Ibex (*Capra caucasica*), from the Caucasus; purchased.

Fifteen Mammals from Fao, Persian Gulf; presented by W. D. Cuming, Esq.

Eight Mammals from Suakim; presented by Surgeon Captain R. H. Penton.

Nine Mammals from Somali-land, collected by H. G. C. Swayne, Esq., and presented by P. L. Sclater, Esq., F.R.S.

A Somali Wild Ass (*Equus somalicus*); purchased.

Nine Mammals from Somali-land, including a Lion (*Felis leo*), a Somali Gemsbock (*Oryx beisa*), and a Sœmmering's Gazelle (*Gazella sœmmeringii*); presented by Colonel Arthur Paget.

A specimen of the remarkable naked rodent *Heterocephalus glaber* from Somali-land; presented by the Marquis G. Doria.

Seven Mammals from Lagos; presented by Alvan Millson, Esq.

The typical Skull of a recently described Dolphin (*Sotalia teuszii*), from the Cameroons; said to be phytophagous; received in exchange from the Museum of the University of Jena.

An Antelope (*Cephalophus æquatorialis*) and a Reed-rat (*Aulacodus swinderenianus*), from Uganda; presented by Captain W. H. Williams, R.A.

 A beautiful

A beautiful mounted specimen of Kudu (*Strepsiceros kudu*), from the Upper Limpopo; presented by F. C. Selous, Esq.

Thirty-one Mammals from the Transvaal, collected by Dr. P. Rendall; purchased.

Ten small Mammals from China; presented by F. W. Styan, Esq.

A Hainan Gibbon (*Hylobates hainanus*); presented by Julius Neumann, Esq.

Fifteen Mammals from Sarawak; presented by Charles Hose, Esq.

Seventy-two Mammals from Borneo and the Philippines; collected by A. Everett, Esq.; purchased.

Four rostra and four teeth of *Mesoplodon grayi*, from the Chatham Islands, illustrating a paper by the donor; presented by H. O. Forbes, Esq.

Two skeletons of the North Pacific Fur-seal (*Callorhinus ursinus*); presented by Sir George Baden-Powell, K.C.M.G.

Sixteen Mammals from British Columbia and California, collected by Professor Eigenmann; purchased.

Ninety-nine Mammals from Jalisco, Mexico, including the types of four new species, collected by Dr. A. C. Buller; purchased.

A Manatee (*Manatus americanus*), from Jamaica; purchased.

Eighteen Bats and four Opossums from Minas Geraes, Brazil; received in exchange from the Copenhagen Museum.

The skull of a Sea-Leopard (*Ogmorhinus leptonyx*) from the Antarctic Seas, near Georgia; presented by Captain David Gray.

Birds.—Eleven thousand four hundred and twenty-six specimens of Skins and Eggs have been added to this class. Of those additions which have not already been mentioned, the following are the more important:—

A pair of very fine Ostriches (*Struthio australis*, from Hales Owen Farm, Cradock, Cape Colony; purchased; also the skeleton of a female bird from the same locality; presented by Captain W. Hume Middlemass.

Two specimens of the true Prairie Hen Grouse (*Tympanuchus cupido*), from Martha's Vineyard, Massachusetts; purchased.

Fifty-four Birds from Suakim; presented by Surgeon Captain R. H. Penton.

A specimen of a rare Hazel Grouse (*Tetraophasis szechenyi*), from Thibet, and one of the Black-necked Crane (*Grus nigricollis*), from Mongolia, both new to the collection; presented by Henry Seebohm, Esq.

A specimen of a Partridge (*Hæmatortyx sanguiniceps*), from Mount Kina Balu; presented by A. H. Everett, Esq.

Eighty-

Eighty-three Birds from Mount Kalulong and Baram, in Sarawak ; presented by Charles Hose, Esq.

The type specimens of *Turdinus kalulongæ*, *T. tephrops* and *Glaucidium borneense*, from Mount Kalulong, in Sarawak, collected by Charles Hose, Esq. ; purchased.

Twenty-three specimens from Mount Penrisen and Mount Poeh, in Sarawak, including the types of a new species of Spider-hunter (*Arachnothera everetti*), collected by A. H. Everett, Esq. ; purchased.

Fourteen specimens from the Chatham Islands ; purchased.

One hundred and nine Eggs from Gippsland, Australia ; presented by F. A. Philbrick, Esq., Q.C.

Two hundred and twenty-one Birds from Australia ; presented by Lord Leigh.

Reptiles.—Eight hundred and sixteen specimens were added to this class. The following are most important :—

Twenty-five Snakes from Austria, including examples of a little-known Viper (*Vipera ursinii*), received in exchange.

Twenty-five specimens from Dalmatia ; purchased.

A specimen of *Vipera renardi* from Sarepta ; presented by Dr. F. Müller.

Twenty-four Snakes from various parts of the Russian Empire, and specimens of two Central Asian Lizards (*Phrynocephalus przewalskii* and *vlangalii*) new to the collection ; received in exchange from the St. Petersburg Museum.

Sixteen specimens from Fao, on the Persian Gulf ; presented by W. D. Cumming, Esq.

Twenty-two specimens from Travancore, including a new Suake (*Dipsas dightoni*) ; presented by H. S. Ferguson, Esq.

Twenty specimens from Hainan ; presented by J. Neumann, Esq.

Twenty-seven specimens from Toungoo and the Southern Shan States, including a Lizard new to the collection (*Acanthosaura kakhienensis*) and the type of a new genus of Snakes (*Trichinopholis nuchalis*) ; presented by E. W. Oates, Esq.

A selection from the first set of duplicates of Signor Fea's collection from the Karin Hills, East of Toungoo ; purchased.

Sixty-nine specimens from Borneo, including types of five new species (*Draco microlepis*, *Simotes annulifer*, *Oligodon everetti*, *Calamaria baluensis* and *C. everetti*), collected by A. H. Everett, Esq. ; purchased.

Type specimens of a new Dragon (*Draco quadrasa*), from the Philippine Islands ; received in exchange from the Senckenberg Museum.

Sixteen specimens from the Portuguese Possessions in West Africa, including representatives of six species new to the collection ; presented by Professor J. V. Barboza du Bocage.

Thirteen specimens from the Island of Lagos, West Africa presented by A. Millson, Esq.

The type of a new Snake (*Uriechis anomala*), from the Gold Coast; presented by Linnæus Greening, Esq.

The type of a new Gecko (*Elasmodactylus verrucosus*), from the Lower Congo; purchased.

The type of a new Gecko (*Geckolepis polylepis*), from Madagascar; received in exchange from the Senckenberg Museum.

Eleven specimens from the Herbert River district, North Queensland, including two Lizards new to the collection (*Gonyocephalus boydii* and *Lygosoma delicatum*); presented by J. A. Boyd, Esq.

Types of two new Lizards from Victoria (*Siaphos maccoyi* and *Emoa spenceri*); presented by A. H. Lucas, Esq.

Two specimens of a Snake (*Ischnognathus kirtlandii*) from Illinois, new to the collection; presented by Professor S. A. Forbes.

Seventy-four Snakes from Mexico and Central America, including the types of several new species; presented by F. D. Godman, Esq., F.R.S.

Two Central American Snakes new to the collection (*Geagras redimitus* and *Enulius murinus*); presented by Linnæus Greening, Esq.

A Brazilian Snake (*Aporophis amœnus*), new to the collection; presented by Dr. E. A. Göldi.

Batrachians.—Four hundred and nineteen additions were made to this class. The following deserve special notice:—

Remarkably large specimens of the Common Frog (*Rana temporaria*), from Caithness; presented by Dr. J. Anderson, F.R.S.

A specimen of a Frog new to the Channel Islands (*Rana agilis*), from Jersey; presented by Linnæus Greening, Esq.

Twelve specimens of Indian and Burmese Frogs, including examples of two species new to the collection (*Rana nigrovittata* and *R. granulosa*); received in exchange from the Indian Museum, Calcutta.

Forty specimens from Burma and the Karin Hills, including types of eleven new species discovered by Signor Fea; purchased.

A hundred and five specimens from Borneo, collected by A. H. Everett, Esq., including examples of several species previously unrepresented in the collection, two of which (*Rana cavitympanum* and *Rhacophorus stilophus*) are new; purchased.

Twelve specimens from Natal; presented by F. J. Queckett, Esq.

Fifteen specimens from West Canada and Oregon; purchased.

Three

Three specimens of a Frog new to the collection (*Chorophilus feriarum*), from North Carolina; purchased.

Twenty-two Frogs from Theresopolis, Brazil, including several new to the collection (*Glosia bufonia, Hyla punctatissima, Hylella parvula*); presented by Dr. E. A. Göldi.

A Cœcilian, new to the collection (*Typhlonectes compressicauda*), from Manaos, Brazil; purchased.

Fishes.—One thousand five hundred and fifty-nine specimens were added to this class. The most noteworthy additions are the following:—

Two specimens of the Northern Ling (*Molva abyssorum*), new to the collection, from the Faroe Islands; purchased.

A very large specimen of *Motella tricirrhata* from the Orkneys; presented by W. Cowan, Esq.

Two specimens of *Scorpæna dactyloptera* from off the Aberdeen Coast; presented by G. Sim, Esq.

A large specimen of the Huchen or Danube Salmon (*Salmo hucho*), weighing 30 pounds, from the River Iller; presented by Theodore Schwann, Esq.

Thirty-one specimens from Dalmatia, including a large example of a very rare Fish (*Luvarus imperialis*); purchased.

Twenty-six specimens from Asia Minor; presented by F. Holmwood, Esq., C.B.

Eighteen specimens from Vladivostok; presented by Herr Fridolf Höök.

Twelve specimens from Fao, Persian Gulf; presented by W. D. Cumming, Esq.

A very large Mahaseer (*Barbus tor*), 4 ft. 5 in. long, from the River Jumna; presented by Major C. Hayes, Newington.

Seventy-five specimens selected from the first set of duplicates of Signor Fea's collection made in Burma and the Karin Hills, including types of most of the new species described by Dr. Vinciguerra; purchased.

A hundred and twenty-six specimens, among which are representatives of seven new species from the Shan States; presented by E. W. Oates, Esq.

A hundred and fifty-nine specimens collected in Borneo by A. H. Everett, Esq.; purchased.

A Fish (*Betta rubra*) from Sumatra new to the collection; resented by Marquis G. Doria.

A very large Eel (*Anguilla sp.*) from New Zealand; presented by Mr. Purvis.

Seven hundred and ten specimens from West Canada and Oregon, including types of new species described by Dr. and Mrs. Eigenmann; purchased.

Nine North American Perches (*Etheostoma*); presented by Dr. C. Eigenmann.

A gigantic Herring or Tarpon (*Megalops thrissoides*) from Florida; when caught, it weighed 105 pounds, and measured 5 ft. 11 in.; presented by J. G. K. Young, Esq.

Forty-one Fish from Manaos, Mouth of the Rio Negro, including examples of six species new to the collection; purchased.

Mollusca.—To this class, including *Tunicata*, five thousand six hundred and seventy-one additions were made. Besides the Morelet collection already referred to, the following are specially worthy of note:—

Six specimens of *Isocardia cor* from the Isle of Man, Bristol Channel, and West of Ireland; presented by F. W. Wotton, Esq.

A hundred and fifteen Land and Freshwater Shells from North Egypt; presented by Dr. John Anderson, F.R.S.

Two hundred and two Marine Shells from the Persian Gulf; presented by W. D. Cumming, Esq.

Thirty-eight Marine Shells from Bombay, including the types of twenty-four new species; presented by Messrs. A. Abercrombie and J. C. Melvill.

Two hundred and thirty-five Land, Freshwater, and Marine Shells from various parts of India, including *Scaphula celox*, *S. deltæ* and *S. pinna*; bequeathed by the late H. F. Blanford, Esq.

Five *Unionidæ* from Cambodia, five specimens of a new species of *Sphenia* (*S. sowerbyi*), and the types of eleven species of *Pleurotomidæ*, from Ariancoupan near Pondicherry; presented by G. B. Sowerby, Esq.

A hundred and forty-six Land and Freshwater Shells from Tonkin and Cambodia, including specimens of *Helix onestera*, *H. fouresi*, *Geotrochatella gredleriana* and others; received in exchange.

Sixty-nine Land Shells from Palawan and Balabac, including new species of *Macrochlamys*, *Lamprocystis*, *Trochonanina*, *Leptopoma* and *Lagochilus*; purchased.

A hundred and seventy Land Shells from North Borneo, comprising new species of *Macrochlamys*, *Opisthostoma*, *Alycæus* and other genera; partly purchased, and partly presented by A. Everett, Esq.

A hundred and twenty-one Land Shells from the Tawi Tawi Islands, Sulu Archipelago, including new species of *Trochonanina*, *Chloritis* and *Cyclotus*; purchased.

Fifty-seven specimens of *Chitonidæ* from Australia; presented by Dr. J. C. Cox.

Three hundred Marine Shells from South Australia, including many species new to the collection; received in exchange.

Five hundred and four Marine and Freshwater Shells from Tasmania,

Tasmania, and one hundred and nine from various localities; presented by J. H. Ponsonby, Esq.

Fifty-one Land and Marine Shells from New Zealand, including *Trophon patens, Scissurella lytteltonensis,* &c.; presented by H. Suter, Esq.

Ninety-four Land and Freshwater Shells from Nomuka and Eua Islands, Tonga group; presented by R. B. Leefe, Esq.

Four specimens of the egg of *Bulimus oblongus* from Barbadoes; presented by J. Burman Rosevear, Esq.

Polyzoa.—Eighty-three specimens have been added to this class; the following are worthy of mention:—

Thirty-three specimens of *Bryozoa* dredged off the Devonshire Coast and presented by R. Kirkpatrick, Esq.

A specimen of *Kinetoskias smittii* from the Trondhjem Fiord, Norway (300 fathoms); collected and presented by the Rev. Dr. Canon A. M. Norman, F.R.S.

A specimen of *Zoobotryum pellucidum* from the Laccadive Islands; presented by D. Prain, Esq.

Twenty-three *Bryozoa* from Labrador, &c., including a fine specimen of *Palmicellaria skenei*; presented by Professor D'Arcy Thompson.

Crustacea.—One thousand and fifty-eight specimens were added to the collection during the year. The following, in addition to those already mentioned, are worthy of note:—

A large piece of timber from Ryde Pier, perforated by and containing specimens of *Chelura terebrans* and *Limnoria lignorum*; presented by the Directors of the London and South Western Railway Company.

A smaller piece of timber from Leith Pier containing *Limnoria lignorum* in large numbers; presented by the Museum of Science and Arts, Edinburgh.

Ten larval or pelagic Crustacea obtained in the Atlantic; presented by Captain D. B. Carvosso.

Arachnida.—Four hundred and sixty-nine additions have been made to this class; of these the most important are:—

Six Scorpions and six *Galeodidæ* from Egypt; presented by Dr. John Anderson, F.R.S.

Nine Arachnida from Serachs, including examples of two species of *Rhax* (*R. eylandti* and *R. sp.?*) new to the collection; received in exchange.

The type specimens of *Rhax howesii* from Géogh Teppe, Transcaspia, and *Rhax nigrocincta* from Vellore, Madras; presented by Professor G. B. Howes.

Thirty-six Arachnida from India; presented by H. M. Phipson, Esq.

Twenty-two Arachnida from India, including examples of new species of *Chærilus* and of *Scorpiops*; purchased.

Fifteen Arachnida from Secunderabad, including examples of the rare *Isometrus scaber*; presented by St. Quentin Ricardo, Esq.

Eighty-eight Scorpions, principally from Aden and Burma, including examples of species of *Scorpiops*, *Nebo* and *Hemiscorpius* new to the collection; presented by E. W. Oates, Esq.

An example of *Scorpiops lindstrœmii* from Upper Burma new to the collection; presented by Lieut. E. Y. Watson.

Seventy-one Arachnida from Perth, West Australia; presented by H. W. J. Turner, Esq.

Twenty-six Scorpions from Victoria and New South Wales; presented by Walter W. Froggatt, Esq.

Thirty Arachnida from Trinidad; presented by J. H. Hart, Esq., F.L.S.

Myriopoda.—Two hundred and sixty additions have been made to this class; the following are worthy of special mention:—

Twenty-six Myriopoda from Cape Palmas, including examples of the rare *Alipes multicostis* and of an undescribed species of *Oxydesmus*; presented by Alvan Millson, Esq.

Fourteen Myriopoda from Canara, including examples of undescribed species of *Strongylosoma*, *Cambala* and *Alloporus*; presented by Major Wraughton.

Twenty-five Myriopoda from Upper Burma; presented by Lieut. E. Y. Watson.

Twenty-eight Myriopoda from Perth, West Australia; presented by H. W. J. Turner, Esq.

A hundred and thirty-one Myriopoda from Eastern Australia and New Zealand, including many undescribed species of *Polydesmidæ* and *Iulidæ*; presented by Professor Baldwin Spencer.

Insecta.—The total number of specimens acquired during the year amounted to one hundred and six thousand five hundred and ninety-one; they are distributed among the various orders as follows:—

Coleoptera	65,939
Hymenoptera	1,154
Lepidoptera	30,273
Diptera	2,415
Neuroptera	83
Orthoptera	236
Rhynchota	6,473
Trichoptera	15
Thysanura	3
Total	106,591

In

In addition to the collections already referred to, the following are the most important acquisitions :—

(From Great Britain.)

Twenty-five Saw-flies (*Nematus ribesii*) bred parthenogenetically, from Acton; twelve Grasshoppers (*Gomphocerus biguttatus*) from Hayling Island, and twenty *Rhynchota* from Eastbourne; presented by C. O. Waterhouse, Esq.

A typical example of *Pimpla epeira*, Bignell, from Ivybridge, N. Devon; presented by C. Bignell, Esq.

An example of one of the *Stylopidæ* (*Elenchus*) in the act of emerging from an immature *Liburnia* from Claygate Lane; presented by Mr. Edward Saunders.

An example of a rare British Moth (*Cidaria reticulata*) and four prepared larvæ; presented by the Right Honourable Lord Walsingham, F.R.S.

The type specimen of a Moth (*Luperina guenéei*) from Wales; purchased.

Two fine specimens of the yellow variety of *Zygæna trifolii*, new to the collection, from West Sussex; collected and presented by W. M. Christy, Esq.

Four hundred and ninety carefully named British Diptera; collected and presented by G. H. Verrall, Esq.

A second series of Diptera of the families *Limnobiidæ* and *Tipulidæ*; presented by G. H. Verrall, Esq.

Forty Diptera, including two specimens of *Tipula diana*, from Sutton Park, Warwickshire; presented by R. C. Bradley.

Twenty-one Diptera from Rugby, including eight specimens of *Merodon equestris*; presented by the Rev. F. D. Morice.

Six hundred and fifteen Diptera from Felden, Herts, among which are three specimens of *Asphalara nebulosa* and twenty-six *Pulicidæ*, collected and for the most part named by the donor; presented by A. Piffard, Esq.

Two examples of *Tipula flavolineata* with pupa-cases from Darenth Wood; presented by H. St. John Donisthorpe, Esq.

Thirty-five British Diptera, including *Eristalis rupium*, from Boxhill and other localities; presented by A. Beaumont, Esq.

Twenty-six Dipterous insects from various parts of Great Britain, including examples of the interesting *Oncodes gibbosus* from the New Forest, of *Lipura lucens* from Pevensey, and *Syrphus barbifrons* from Sutton; presented by the Rev. E. N. Blomfield.

Five hundred Diptera from South Devon, carefully ticketed with exact locality and date of capture, and thirty-four from Gravesend; presented by Colonel J. W. Yerbury.

(From Europe.)

A curiously marked specimen of *Parnassius delius* from Kandersteg, Switzerland; presented by Lady Jenkyns.

Seven Lepidoptera from Malta, including an aberrant variety of *Colias edusa*; presented by A. Cowper Field, Esq.

A hundred and sixty-nine Lepidoptera from Corsica; presented by Colonel J. W. Yerbury.

Thirty-two Diptera (*Chilosia* and *Brachyopa*) from Austria, from the Kowarz collection; presented by G. H. Verall, Esq.

Twenty-one Diptera, including five examples of *Chloromyia formosa* from Switzerland and North Italy; presented by Coryndon Mathews, Esq.

(From North America.)

Sixty Lepidoptera, including the types of two new species (*Thamnonoma gracilior* and *Pseudosiona taylori*) and twenty other insects belonging to the Hymenoptera, Rhynchota, Neuroptera and Orthoptera, from Manitoba, the Mackenzie and Slave Rivers, collected by Miss Elizabeth Taylor; purchased.

A typical specimen of a rare butterfly (*Argynnis victoria*) from Laggan, British North America; also a specimen of *Cœnonympha haydeni*, from Yellowstone Park; presented by W. H. Edwards, Esq.

(From the West Indies.)

Thirty Lepidoptera, including *Laurona rufilinea* and other species, chiefly interesting for their locality, and seven other insects, among which is a specimen of *Chrysantheda smaragdina*, from Trinidad; presented by Captain C. J. Clark.

Two hundred and twenty-six *Formicidæ*, chiefly from St. Vincent, but including the types of forty-four species from other localities, named by the donor; presented by Professor A. Forel.

Two hundred and forty Lepidoptera, chiefly *Hesperiidæ*, and one Dipteron from Barbados; presented by R. E. E. Frampton, Esq.

Twenty-three Lepidoptera, including *Castnia palatina*, and other interesting species from Trinidad; presented by H. F. Wilson, Esq.

(From South America.)

Twenty-four Lepidoptera, eleven Hymenoptera, including a Bee (*Eulema cayennensis*) caught in the flower of an Orchid (*Cattleya superba*); two examples of *Tabanus occidentalis*, known in the colony as the Cow-fly, and seven other

other insects from Demerara; presented by G. S. Jenman, Esq.

Sixty-six Lepidoptera and two Orthoptera from Archidona, Ecuador; presented by Captain H. Dowding.

A hundred and thirty *Formicidæ*, seventeen other Hymenoptera, four Diptera and one Homopteron from E. Peru and Surinam; presented by E. A. Bartlett, Esq.

Fifty-eight Hymenoptera and sixteen Rhynchota from Chili; presented by E. Saunders, Esq.

Sixteen Butterflies, including an unusally dwarfed specimen of *Tasitia gilippus*, and seven Neuroptera from the Chapada district, Matto Grosso, Brazil; presented by Spencer Moore, Esq.

A hundred and fourteen Lepidoptera, chiefly Geometrites, including the types of *Meandroyonaria valentina*, *Hoplosauris valeria*, *H. edelmira*, *Cidaria adela* and *Sparganiа bellissima* from Chili; presented by Herr G. Ruschewegh.

Nine rare Lepidoptera from Chili, including *Phulia nymphula*, *Cyclopides puelmæ*, a *Scolitantides* probably new to science, and *Erosine strigata*; presented by E. Bartlett-Calvert, Esq.

Three type specimens of two species of Lepidoptera (*Anchoteles perforatana* and *A. sobriana*), also six specimens and two drawings illustrating the life-history of a Lasiocampid Moth (*Tolype opalina*), from Brazil; presented by the Right Honourable Lord Walsingham, F.R.S.

Sixteen Butterflies, including *Euptychia periphas*, *Tetraphlebia germaini*, *Metura bracteolata* and others, from Uruguay; collected by C. V. Aplin, Esq.

Forty-three Lepidoptera, including the types of three new species (*Agrotis dalei*, *Leucania falklandiea* and *Eupithecia anguligera*) from Darwin Harbour, Falkland Islands; presented by Dr. W. F. Dale.

(From Africa.)

Four pieces of gum, containing insects, &c., probably from Zanzibar; presented by Captain W. H. Turton.

Four *Locustidæ*, two Homoptera (*Isthmia patruelis*), two Diptera (*Dacus fuscatus*), ten parasitic Hymenoptera with cocoons, and fifteen specimens of *Coccus* from Asparagus, &c., from Natal; presented by R. T. Lewis, Esq.

Twenty Orthoptera, seventeen Neuroptera, eighty Rhynchota, twenty-eight Hymenoptera, forty Diptera, including a specimen of *Tabanus fasciatus* and four other insects from Sierra Leone; presented by Surgeon-Captain W. G. Clements.

Two nests of *Megachile* and two cocoons of *Anaphe*, from one of which two dozen specimens of a very beautiful Ichneumon-fly (*Cryptus formosus*) have recently emerged, from Uganda; presented by F. C. Smith, Esq.

One *Chrysops dimidiatus* from Old Calabar, caught in the act of biting a native; supposed to be the intermediate host of a *Filaria* infesting human beings; presented by Dr. Patrick Manson.

Two specimens of the rare Orthopteron *Eugaster spinulosus* from Rabat, Morocco; presented by J. Frost, Esq., British Vice-Consul at Rabat.

Forty Rhynchota from Mashonaland; presented by Theodore Bent, Esq.

Thirteen insects, chiefly Lepidoptera, among which *Deilephila tithymali* and *Nonagria sacchari* are most worthy of note, from the Canary Islands; presented by H. W. Marsden, Esq.

Thirty Butterflies from Teneriffe, mostly named; presented by H. W. Marsden, Esq.

Forty-two Lepidoptera from Teneriffe, including *Deilephila tithymali*, *Rhypariodes rufescens* and other species; presented by Mrs. Holt White.

Two examples of *Glossina tachinoides*, new to the collection, and one of the common Tsetze fly (*G. morsitans*) from the Transvaal and Lake Mweru; presented by L. K. Crawshay, Esq.

Three Lepidoptera, including the type of a new species, *Attacus lugardi*, from Uganda; presented by Captain F. D. Lugard.

A very curious moth, new to the collection, with a singular arrangement of bristles on the posterior wings, from Delagoa Bay; presented by Professor Charles Stewart, Pres. L.S.

Forty Butterflies of the genera *Euryphene*, *Euphædra* and *Cymothoë* from Sierra Leone; presented by Herbert Druce, Esq.

(From Northern Asia.)

Thirty-two Butterflies from Japan, including specimens of *Cœnonympha annulifer*, *Melitæa phœbe* and *Lycæna frivaldskyi*; presented by T. E. Sanson, Esq.

A hundred Lepidoptera from Hunza, including *Erebia mani*, *Epinephile pulchella*, *Hipparchia lehana*, *Colias eogene*, &c.; collected and presented by W. M. Conway, Esq.

(From Southern Asia.)

Twenty-seven Lepidoptera and five other insects from Tonkin; presented by R. G. S. Buckland, Esq.

Twenty-two Lepidoptera and eight Odonata, chiefly interesting for their locality, from Mengalun Island, Borneo; presented by A. H. Everett, Esq.

Fifty-eight Heterocerous Lepidoptera, including a specimen of *Hyperæschra pallida*, the type of *Caradrina picta*, and fifty-two other types of species described by the donor; also a Dipterous

a Dipterous insect (*Pterocosmus velutinus*) from the Khasia Hills; presented by Colonel Charles Swinhoe.

Thirty-three Coleoptera, including a series of *Odontolabis lowei*, and three Wasps' nests from Mount Kina-Balu, N. Borneo; presented by J. Whitehead, Esq.

A hundred and twelve Coleoptera, principally from Burma, including two examples of a very rare species (*Mouhotia batesi*) from Moulmein; presented by the Right Honourable Lord Dormer.

Seventy-eight Heterocerous Lepidoptera, many of them previously very poorly represented in the collection, from Trevandrum, Travancore; five Lepidoptera from Ceylon, a species of Psychid (*Amatissa consorta*) very destructive to tea, and a specimen of a Noctuid (*Mudaria cornifrons*) destructive to cotton, from Bengal; presented by G. F. Hampson, Esq.

Eleven Butterflies, including a specimen of *Tanaecia supercilia*, from Salanger; presented by T. E. Sanson, Esq.

Twenty-six Lepidoptera from Sarawak, including *Tanaecia apsarasa*, a species new to the collection, *Charaxes harpax*, *Taractrocera ardonia*, &c.; presented by Edward Bartlett, Esq.

Fifty Lepidoptera and two Neuroptera, including specimens of *Amathusia ottomana*, the female of *Eurytela castelnaui*, *Milionia sharpei*, and other rare or undescribed species from Sandakan, N.E. Borneo; presented by W. B. Pryer, Esq.

Sixty-seven type specimens of Lepidoptera, from the Khasia Hills and Malay Islands; purchased.

Fifty specimens of a Tea-bug (*Heliopeltis theivora*) the male of which was previously unknown, from Assam; presented by Frank Austen, Esq.

(From Australia and New Zealand.)

Thirty Diptera and twenty-one Hymenoptera, including the types of five new species of Saw-flies (*Perga divaricata*, *P. sericea*, *P. sellata*, *P. lalage* and *Cerealces cyathiformis*) from Melbourne; presented by Charles French, Esq.

Twenty Hymenoptera, four Orthoptera, seven Odonata, and seven other insects, from Toowoomba; presented by G. A. Higlett, Esq.

Four hundred Coleoptera, all new to the collection, and representing species named by Captain Brown, from New Zealand; purchased.

Two hundred and fifty Hymenoptera from Queensland, and nine from New Zealand; presented by E. Saunders, Esq.

Six Butterflies of the family *Hesperiidæ*, including the types of four new species (*Trapezites dispar*, *T. andersoni*, *Telesto comma* and *Hesperilla perornata*); also *Hesperilla arsenia*, a species new to the collection, from Victoria, Australia; presented by Messrs. Anderson and Spry.

(From the Pacific.)

The type specimen of *Exerista xanthota*, a small moth named by Mr. Meyrick, from Fiji; presented by the Right Honourable Lord Walsingham, F.R.S.

The female of a rare Butterfly (*Stictoplœa dufresnii*) from Gueta, Anamba Islands; presented by J. J. Walker, Esq., R.N.

Vermes.—The additions to this class numbered ninety-two; the following are of special interest:—

Four specimens of a species of *Peripatus*, probably new to science, from Natal, the most northern African locality recorded for this genus; presented by J. H. Ponsonby, Esq.

The type of the remarkable new genus *Eupolyodontes* (*E. cornishi*) described by Miss F. Buchanan, from off the mouth of the River Congo; presented by V. K. Cornish, Esq.

An example of the rare Mediterranean species *Polyodontes maxillosus*; purchased.

Five specimens of *Allolobophora fœtida*, or a closely allied species, from the Nilgiri Hills; collected and presented by the Right Honourable Lord Dormer.

One *Allolobophora profuga* and three *Lumbricus castaneus*, from the Gorge of Trift, Switzerland, at five thousand five hundred feet elevation; collected and presented by E. Whymper, Esq.

The type of *Tœnia echidnœ*; presented by Professor T. P. Anderson Stuart.

Three specimens of the rare Worm *Tœnia nana*, and five of *Anchylostoma duodenale*; presented by Dr. Sonsino.

A Gordius escaping from *Elœodes amaura*, from Orizaba; presented by Messrs. Godman and Salvin.

Echinoderms.—The additions to this class amount to three hundred and fifty-two; special mention should be made of the following:—

Thirteen Asteroids and Holothurians from deep water in the Bay of Bengal, including examples of *Zoroaster zea*, *Persephonaster rhodopeplus*, *Nymphaster florifer* and *Dictyaster xenophilus*; presented by the Trustees of the Indian Museum, Calcutta.

An example of *Astronyx loveni* from off Kinnaird's Head; presented by W. Duncan, Esq.

Fifteen Crinoids from Port Phillip, sent originally to the late Dr. Herbert Carpenter, F.R.S., and transferred to the Museum by W. L. Sclater, Esq.

Heliaster multiradiatus and four other species from Mazatlan; presented by H. O. Howarth, Esq.

Three specimens of *Pentacrinus wyville-thomsoni*, from seven hundred fathoms off Fern Island, collected by V. K. Cornish, Esq.; purchased.

Sponges.—

Sponges.—One hundred and sixty-eight specimens were added to this class.

A fine and well-preserved specimen of *Euplectella owenii* from Yama-Gutsi, Japan; presented by F. Ringer, Esq.

Seventy-one specimens of Calcareous Sponges from Port Phillip, Victoria, illustrative of the donor's Monograph of the Victorian Sponges; presented by Professor A. Dendy, D.Sc.

Anthozoa.—Three hundred and twenty-three additions were made to this class. Of these the following are worthy of note:—

Four very interesting Alcyonids (*Cladiscus kœllikeri*, *Andvakia mirabilis*, *Mardoel erdmanni*, and *Sympodium abyssorum*) from deep water in the North Atlantic; received in exchange from the Bergen Museum.

Twenty-two dry Corals from Singapore; presented by the Raffles Museum.

Two large masses of reef-coral from Lacépède Island, N.-W. Australia, collected by W. Saville-Kent, Esq.; purchased.

An interesting example of the "Coral Tulip" or Barnacles encrusted with Red Coral; presented by G. B. Sowerby, Esq.

Hydrozoa.—Ninety-three specimens were received during the year. The following are worthy of notice:—

Fifteen beautifully preserved specimens of *Medusæ* and *Siphonophora* from Naples; purchased of the Zoological Station, Naples.

Fifteen specimens of *Limnocnida tanganycæ*, a new species of freshwater Medusa from Lake Tanganyika; presented by F. L. M. Moir, Esq.

VIII.—*Visitors and Students.*

The number of visits from persons who have consulted portions of the collection, or who have required attendance or assistance, was ten thousand eight hundred and seventy-two, as compared with:—

10,932	in the year	1892
9,443	„	1891
9,034	„	1890
8,360	„	1889
8,797	„	1888
8,955	„	1887
8,372	„	1886
8,313	„	1885
6,818	„	1884
3,306	„	1874

Albert Günther.

Department of Geology.

I.—*Arrangement.*

A.—Vertebrata.

Fossil Mammalia (Gallery No. 1).—The skull of *Megaladapis madagascariensis* (Forsyth Major) from a newer Tertiary deposit in Madagascar, has been labelled and mounted in Table-case No. 1.

The remains of *Ursus sp.*, from the Har Dalam Cave, Malta (part of Mr. J. H. Cooke's Collection), have been placed in Table-case No. 2.

Coloured Casts of several limb-bones and the Cast of the lower jaw of *Elasmotherium*, from the Pleistocene deposits of Samara, Russia, obtained in exchange from Dr. Pavlow of Moscow, have been mounted and placed with the cranium previously acquired in Pier-case VI.

Several skulls, and other parts of the skeleton, of a small species of *Hippopotamus* from Madagascar, have been mounted and arranged in Pier-case No. XI., together with remains of *Hippopotamus Pentlandi*, from the Har Dalam Cave, Malta (part of Mr. J. H. Cooke's Collection).

A collection of Miocene Mammals from La Grive-St. Alban, Isère, has been registered and incorporated in the collection; selected specimens being mounted and exhibited in the cases.

The antlers of *Cervus elaphus, var. barbarus*, obtained by Mr. J. H. Cooke from the Har Dalam Cave, Malta, have been mounted and labelled, and exhibited in Pier-case XV.

A cast of the skull of *Nesodon imbricatus* (Moreno), from South America, presented by Professor Moreno, has been mounted, labelled, and exhibited in Pier-case XX., where also two diagrams of *Coryphodon hamatus* have been placed. A drawing of the skeleton of *Castoroides ohioensis*, from North America, has been framed and fixed on the wall, near Table-case 24.

A large collection of Mammalian and other remains from Madagascar has been examined, and numerous specimens of *Hippopotamus*, &c. have been selected.

Numerous other recently acquired specimens of Mammalia have been identified, labelled, mounted, and incorporated with the genera to which they belong, 649. Mammalian remains have been registered

Aves (Gallery No. 2).—In the Glazed Case (S.) has been placed a very complete mounted skeleton of *Aptornis defossor* (Owen), from Castle Rock, South Island, New Zealand.

All

All the specimens in Table-case No. 13 have been re-mounted and re-arranged in accordance with the published Catalogue of Fossil Birds, prepared by Mr. R. Lydekker.

Table-case No. 12A. has been arranged in a similar manner.

Other recently acquired Avian remains have been named, labelled, registered, and incorporated in the cases to which they belong.

Aves registered 168.

Reptilia (Gallery No. 4).—Wall-cases 1 and 2, which are devoted to the *Pterosauria* and the *Crocodilia*, are under arrangement, about fifty specimens of the latter having been remounted.

A new Wall-case (No. 4A.) has been constructed on the north side, near the centre of the Gallery, and numerous specimens of *Iguanodon*, recently acquired from the Beckles Collection, and from Mr. Charles Dawson, have been mounted, labelled, and arranged therein.

Wall-case 5 has been completely refitted and re-arranged; all the remains of *Iguanodon* contained in it being re-mounted and provided with printed labels.

Table-cases Nos. 1 to 8 have been entirely re-arranged, all the specimens being re-mounted and provided with printed labels in accordance with Mr. Lydekker's Catalogue; the specimens in the drawers being similarly arranged.

Table-cases 9 and 10 have been partly re-arranged.

A nearly complete skeleton of a young Plesiosaur, composed of a series of detached bones, all belonging to the same individual, from the Oxford Clay, Fletton, near Peterborough (part of the Leeds Collection), has been most carefully articulated by C. Barlow, and is mounted for exhibition in a special glazed case in the centre of the Gallery, near the West end.

Chelonia (Gallery No. 5).—The Chelonia in Wall-cases 11 and 12 are now completely re-arranged, all the specimens being mounted on stands, with a printed label to each specimen. Table-case 22, and all the drawers beneath it and the other Table-cases, have been re-arranged, and the specimens labelled in accordance with the Catalogue.

Amphibia (Gallery No. 5).—All the larger specimens of Amphibia are placed in Wall-case 12, divisions A. and B. These have been completely re-arranged; each specimen has been mounted and provided with a suitable printed label.

Amphibia (Gallery No. 4).—All the smaller specimens of Amphibia are placed in Table-cases 23 and 24 in Gallery 4. These have been completely re-arranged, each object being tableted and labelled in accordance with the published Catalogue. Those occupying drawers beneath the Table-cases have been arranged in accordance with the same plan.

Reptilia registered 283.

Pisces (Gallery No. 6).—The nomenclature of the specimens in Wall-cases Nos. 10–13, and in Table-cases Nos. 40–45, has been revised preparatory to the final arrangement.

Most of the Pycnodont fishes in Table-cases 44, 45, have been re-labelled, re-tableted, and re-arranged, in accordance with the forthcoming Catalogue.

The Leeds Collection of Oxfordian fishes has been examined, determined, registered, and incorporated in the Collection.

The Ward Collection of Carboniferous Fishes from Staffordshire, has been examined, and a selection made for purchase.

Pisces registered 654.

B.—Invertebrata.

Mollusca.—Cephalopoda (Gallery No. 7).—Family *Nautilidæ*.—Ten specimens of *Hercoceras*; nineteen of *Barrandeoceras*; twenty-six of *Discites*; seven of *Ephippioceras*; fifty-one of *Cœlonautilus*; fourteen of *Pleuronautilus*; twenty-nine of *Temnocheilus*; twenty-eight of *Solenocheilus*; and fifteen of *Nautilus*, have been mounted on Tablets and arranged in Table-case No. 71.

A specimen of *Poterioceras* and one of *Cœlonautilus* have been added to Wall-case No. 7, and one *Nautilus* has been mounted and placed in Wall-case No. 2.

The unmounted specimens of *Nautilidæ* have been labelled and arranged in thirteen drawers beneath Table-case No. 71.

One thousand one hundred and forty-seven Devonian *Goniatites* have been named and labelled.

Cephalopoda registered 399.

Mollusca.—Gasteropoda and *Lamellibranchiata* (Gallery VIII).—The mounting and naming of the Foreign Tertiary Collections of Mollusca has been proceeded with during the past year. Those fron the Aquitaine Basin in the South-West of France, the Dax Basin, the Paris Basin, and the Tertiaries of Victoria, Australia, having specially engaged attention.

Of these there have been mounted and placed in Wall-case - - - -	4,340 specimens.
Those similarly mounted in drawers beneath the Table-cases being - -	1,653 „
Total - - -	5,993

A large number of British Oolitic Gasteropoda have been mounted during the year, including four hundred and sixteen specimens from the Inferior Oolite of Dorset, part of the Monk Collection.

One

One thousand three hundred and eighty-four Foreign Cretaceous and other Mollusca, from various other horizons, have also been mounted ready for incorporation in the cases.

The British and Foreign Bryozoa have been under examination.

Sixty-two boxes of Jurassic and Carboniferous Bryozoa have been placed in a supplementary Table-case; and labels have been printed for fifty-six boxes of Lower Tertiary Bryozoa (all being types) arranged in Table-case 84.

One hundred and thirty-two trays of Jurassic Bryozoa have been arranged in drawers beneath Table-cases.

Bryozoa registered 309.

Wall-cases x. and xi., devoted to the Foreign Brachiopoda, have been cleared of their contents in order to glaze the tops of these cases, so as to afford a better light for the objects exhibited.

Wall-cases xvi., xvii., and xviii. have been similarly treated; their contents (Echinodermata) have been removed, carefully dusted, and replaced in a better arrangement.

Insecta and *Crustacea* (Wall-cases xii. and xiii.)—The Foreign, Secondary, and Tertiary Insecta and Crustacea, occupying these cases, have all been carefully tableted, and, as far as possible, determined, and all the type specimens distinguished by green labels.

The British Lower Palæozoic Crustacea have also been named, tableted, and labelled.

C.—Plantæ.

Fossil Plants (Gallery X.).—A series of Carboniferous Plant-remains, and samples of the "Cores," obtained from the Dover Coal-boring, have been placed on exhibition in a table-case near the entrance to Gallery X.

Historical Collections (Gallery XI.)—Dr. Davidson's collection of Brachiopoda, which occupies Table-cases 13, 14, and 15, and the Cabinets of Drawers beneath, is still under arrangement; 1,849 specimens have been mounted, registered, and catalogued in slip-form; nearly the whole of these have been arranged in the Table-cases in this Gallery.

The "Parker Collection of *Foraminifera*" is being arranged. Prof. T. Rupert Jones has named and catalogued a considerable proportion of the collection. The mounted slides are all being carefully labelled and placed in order in a series of Microscopic Slide-Boxes specially provided for their reception.

II.—*Department Library* (*Gallery No.* 9).

During the year 1893, the various additions made to the Library and to the Collection of British and Foreign Geological Maps, have been catalogued on slips, and each book and

map has been stamped, and placed in its proper order on the shelves and in the map-boxes and press-marked. Slips written 1,100.

The accessions to the Geological Library, during 1893, comprise the following:—

	Purchased.	Presented.	Total.
Continuation of works in progress	189	137	326
Books and Pamphlets - - -	79	255	334
Maps - - - - - -	14	19	33
TOTAL - -	282	411	693

III.—*Preparation of Catalogues.*

"The Catalogue of Fossil Fishes," Part III., by Mr. A. Smith Woodward, is still in progress, and will, it is hoped, be issued in the present year.

"The Catalogue of the Fossil Cephalopoda," Part III., has also made considerable progress towards completion.

Part I. of "A Catalogue of the Wealden Plants," by A. C. Seward, commenced a year ago, is now in the hands of the printers, and should shortly appear.

A Catalogue of the type-specimens of the several groups of the Invertebrata is in preparation; slips having been written for the Sowerby and Davidson Collections.

IV.—*Separate Papers and Memoirs bearing upon the Collection published in* 1893.

The following papers have been prepared by Members of the staff, and by other scientific workers in the Department, and relate to specimens forming part of the Geological Collection, which have been described and figured in various works during the past year.

1. *Mammalia.* — "On *Megaladapis Madagascariensis* (Forsyth-Major), an extinct gigantic Lemuroid, from Madagascar." (Proc. Roy. Soc. vol. liv.; see also Phils. Trans. vol. clxxxv. B. pp. 15–38, pl. v.–vii., 1894.)

2. "Remarks

2. "Remarks on a sub-fossil Lemuroid skull from Madagascar." (Proc. Zool. Soc. Lond. 1893, pp. 532–535, figs. 1–3.)

3. Report on the Har-Dalam Cave, Malta, by J. H. Cooke; with an account of the Animal-remains by A. Smith Woodward. (Proc. Roy. Soc. 1893, vol. liv. No. 327, pp. 274–283.)

4. *Reptilia.*—"On the Discovery of a Secondary Reptile (*Steneosaurus Baroni*, R. B. Newton) in Madagascar." (Geol. Mag. 1883, pl. ix. pp. 193–198.)

5. "On remains of an extinct Tortoise from Madagascar (*Testudo Grandidieri*) (Vaillant)." (Trans. Zool Soc., vol. xiii. pt. viii., 1894, pl. xxxix.–xli., pp. 305–311.)

6. *Pisces.*—"Note on a case of subdivision of the Median Fin in a Dipnoan Fish." (Ann. and Mag. Nat. Hist. [6] vol. xi. pp. 241–242.)

7. "Description of the skull of *Pisodus Oweni*, a fish of the Eocene Period" (*ibid.* vol. xi., pp. 357–359, pl. xvii.).

8. "Palæichthyological Notes" (*ibid.* vol. xii., pp. 281–287, pl. x.).

9. "Notes on Fossil Fishes from the Karoo Formation of South Africa" (*ibid.* vol. xii., pp. 393–398, pl. xvii.).

10. "On some British Jurassic Fish-remains of the genera *Caturus*, *Gyrodus*, and *Notidanus*" (*ibid.* vol. xii., pp. 398–402, pl. xviii.).

11. "On some Cretaceous Pycnodont Fishes" (Geol. Mag. Dec. iii., vol. x., pp. 433–436 and 487–493, pls. xvi. and xvii.).

12. "On the Cranial Osteology of the Mesozoic Ganoid Fishes *Lepidotus* and *Dapedius*." (Proc. Zool. Soc. 1893, pp. 559–565., pl. xlix.)

13. "On the dentition of a gigantic extinct species of *Myliobatis*, from the Lower Tertiary Formation of Egypt" (*ibid.* pp. 558–559, pl. xlviii.).

14. "Note on the evolution of the scales of Fishes." ("Natural Science," vol. iii., pp. 448–450.)

15. *Mollusca.*—"Note on some Molluscan remains in the English Keuper." British Assoc. Reports, 1893. (See also Geol. Mag. 1893, Dec. iii., vol. x., p. 557.)

16. On a new species of *Discites* (*D. Hibernicus*), from the Lower Carboniferous Limestone of Ireland (with a woodcut). [Geol. Mag., 1893, Dec. iii. vol. x., pp. 251–254.]

17. *Bryozoa.*—"British Paleogene Bryozoa." (Trans. Zool. Soc., vol. xiii., pt. i., pp. 221–279, plates xxix.–xxxii.), with 56 figures and descriptions of Museum specimens.

18. *Crustacea.*—"Monograph British Palæozoic Phyllopoda," part ii. (Mon. Pal. Soc., vol. xlvi., pl. xiii.–xvii. pp. 73–124), 26 Museum specimens figured and described.

19. *Echinodermata.*—"The Jurassic Echinoidea of Cutch." (Mem. Geol. Surv. of India; *Palæontologia Indica*, vol. ii., part i., 4to., pp. 1–11, 2 plates, 1893.)

20. "The Crinoidea of Gotland," part i. (Inadunata), Konigl. Svenska Vetenskaps Akademiens Handlinjar. Band. xxv., No. 2, 1893, 4to, Stockholm, pp. 1–200, pl. i.–x.

V.—*Work of the Mason-Formatore and Assistant Mason.*

The completion and mounting for exhibition in special glazed case in Reptile Gallery, of the skeleton of a young Plesiosaur, from the Oxford clay of Fletton, near Peterborough. (Part of the Leeds Collection.)

Restoring, articulating, and mounting the nearly perfect skeleton of *Aptornis defossor*, from New Zealand.

Fitting together and uniting a large series of fragments of Mammalian, Avian, and Chelonian bones, received from Madagascar.

Making casts and models of bones of *Testudo Grandidieri*, to complete skeletons for exhibition.

Repairing, cleaning, and developing numerous fossil vertebrate remains.

Making moulds and preparing numerous casts of fossils for the exhibition cases, and also for exchanges with other Museums, e.g., Moscow and Cambridge, &c.

Developing and making mould and casts of *Lariosaurus Balsami*, from the Trias of Perledo, Italy.

Fifty Moulds and 80 Casts have been made of various fossils.

Developing numerous South African Triassic Reptilian remains, under the direction of Prof. H. G. Seeley, F.R.S., the discoverer; including three skulls, and an almost complete vetebral column and pelvis of *Dicynodon*, two imperfect skulls of Theriodonts, and a nearly complete vertebral column of *Pariasaurus*.

Developing and uniting numerous remains of *Iguanodon*, from the Wealden of Hastings (part of the Dawson Colln.), prepared for exhibition in the Reptilian Gallery.

Developing skull of *Steneosaurus*, from Madagascar.

Producing and developing block of Tertiary *Limnea* limestone, from the Isle of Wight.

Preparing numerous specimens of rocks for Collection.

Developing, cleaning, and mending numerous specimens of Invertebrate fossils, and making microscopic sections.

Making and fixing stone corbel in wall of Gallery X. for bust of Dr. J. S. Bowerbank.

VI.—*Printing*

VI.—*Printing Labels.*

During the past year the preparing and printing of labels for the Mammalia, the Aves, the Reptilia, and Amphibia has gone on very continuously.

Labels have also been printed for the Mollusca and other groups of Invertebrata and for the Plants.

A considerable number of Labels has also been executed for the Index Museum.

Total number of labels composed, 2,271.

Total number of copies printed off, 22,407.

During the past year one of the staff, Mr. F. A. Bather, M.A., was absent on sick leave for some months; and Dr. J. W. Gregory, another Assistant, was absent *on special leave*, 10 months, in East Africa, examining the East African lake-chain, the Masai plateau of Laikepia and Mount Kenia. He brought back collections illustrating the geology, the flora, and the fauna of the district. Besides yielding a considerable number of new species, they contribute largely to a knowledge of their distribution. Thus the Kenia flora is more allied to that of Kilima Njaro than to the highlands of Abyssinia, while the fish, mollusca, &c., show an extension of the Nilotic fauna, in a region now far outside the Nile basin.

A large geological collection was made, including over 200 fossils from hitherto unknown Palæozoic deposits, as well as others from the Jurassics on the coast, and the old lake-beaches in the interior.

VII.—*Acquisitions.* 1.—*By Donation.* A.—Vertebrata.

1. *Mammalia.*—A collection of Mammalian remains from the Har-Dalam Cavern, near Marsa-Scirocco Bay, Malta, comprising bones of *Hippopotamus Pentlandi, Elephas mnaidriensis, Ursus, Canis,* and *Cervus elaphus* var. *barbarus;* obtained by Mr. John H. Cooke, F.G.S., by the aid of a grant from the Royal Society, and presented by him.

Two ear-bones of Whales, from the Crag at Felixstowe; presented by R. de Burgh D'Arcy, Esq.

Two Proboscidian and two Artiodactyle bones, from the Siwalik Formation of Perim Island, Gulf of Cambay, India; presented by Alexander M. D. Stewart, Esq.

One Molar of *Elephas primigenius,* from the Thames Valley Brickearth, Hammersmith; presented by H. E. Tomes, Esq.

A large series of remains of *Felis, Ursus, Canis, Elephas,*

Rhinoceros, Bos, Cervus, Ovis, and *Equus,* including several figured specimens, from the Brickearth of Erith, Valley of the Thames; presented by F. C. J. Spurrell, Esq., F.G.S.

2. *Reptilia.*—Portion of upper and lower jaws of *Pariasaurus Russouwi,* Seeley, from the Trias, Nieuwveldt Mountains, between Klipfontein and Fraserberg, South Africa (figured and described in Phil. Trans., 1892 p. 333, pl. xix., figs. 3-4); presented by the President and Council of the Royal Society, on behalf of Professor Seeley, F.R.S.

A premaxilla of *Crocodilus,* from the Siwalik Formation of Perim Island, Gulf of Cambay, India; presented by Alexander M. D. Stewart, Esq.

A head and scute of *Steneosaurus Baroni,* R. B. Newton, from the Jurassic, Andranosamonte, N. W. Madagascar (figured and described in Geol. Mag., 1893, pl. ix., pp. 193–196); presented by the Rev. Richard Baron, F.G.S.

Two teeth of *Hoplosaurus,* from the Portlandian, Bugle Pit, Hartwell, near Aylesbury; presented by John Alstone, Esq.

Two skulls of Dicynodonts, and a series of bones of Reptiles, from the Karoo Formation, Cape Colony; presented by David Draper, Esq., F.G.S.

3. *Pisces.*—A specimen of *Osmeroides sp. indet.,* from the Chalk, near Eastbourne; presented by Miss Heinemann.

Selachian tooth, from Phosphatic Chalk, Taplow (noticed in the Geol. Mag., 1892, Nov., p. 524); presented by Bernard Hobson, Esq., F.G.S.

Specimen showing palatal teeth of *Gyrodus cretaceus,* from the Lr. Chalk, Upper Warlingham, near Croydon; presented by G. E. Dibley, Esq.

Two teeth of *Otodus,* and three teeth of *Carcharodon,* from the Crag, Felixstowe; presented by R. de Burgh D'Arcy, Esq.

Fifteen specimens of Marl, from the Osborne Beds, King's Quay, near Ryde, Isle of Wight, with numerous examples of small fish, *Diplomystus vectensis,* Newton; presented by G. F. Harris, Esq., F.G.S.

Slab of Marl, with shoal of *Diplomystus vectensis,* from the Osborne Beds, Chapel Corner Copse, near King's Quay, Isle of Wight; presented by G. W. Colenutt, Esq.

Associated Upper and Lower Dentition of *Myliobatis Pentoni,* A. S. Woodward, sp. nov. (described in Proc. Zool. Soc., June 20th, 1893), from Lower Tertiary, Mokattam Hills, near Cairo; presented by Surgeon-Captain R. H. Penton.

A tooth of *Scapanorhynchus tenuis,* Davis, from the Upper Cretaceous, Faxo, Denmark; also one *Clathraria Lyelli,* Mantell, from the Upper Greensand, Ventnor Tunnel, Isle of Wight; presented by Miss Caroline Birley.

Two

Two specimens of *Semionotus capensis*, from the Trias, Orange Free State, South Africa; presented by Sir Henry William Peek, Bart.

One specimen of *Notagogus Pentlandi*, Ag., from the Jurassic, Torre d'Orlando, Naples; presented by Walter Crouch, Esq., F.Z.S.

Three teeth of *Ptychodus latissimus*, Ag,, from the Chalk, Castleacre Ruins, near Swaffham, Norfolk; presented by Mr. James Clarke.

B.—Invertebrata.

(*a*) *Mollusca*.—One hundred and seventeen specimens of Mollusca, from the Silurian of the Isle of Gotland; presented by Francis Arthur Bather, Esq., M.A., F.G.S.

Twenty specimens of Land Mollusca, from the Har-Dalam Cavern, near Marsa-Scirocco Bay, Malta; obtained with the aid of a grant from the Royal Society by Mr. John H. Cooke, F.G.S., and presented by him.

A specimen of *Pleurotomaria gigantea*, and one *Exogyra sinuata*, from the Neocomian, Hythe; presented by Edward Abram, Esq.

Nine specimens of *Nautili*, &c., from the Neocomian of Hythe; presented by R. Etheridge, Esq., F.R.S.

A series of Miocene Shells from Duplin County, North Carolina, James River, Virginia, and St. Mary's, Maryland, comprising 11 genera; presented by Joseph Willcox, Esq.

A series of one hundred and twelve Eocene Shells, from the Paris Basin, Environs of Grignon, made in 1822 (part of the collection of the late Miss Ethelred Benett); presented by J. Benett-Stanford, Esq.

An Ammonite, from the Lower Lias of Napton-on-the-Hill and Stockton, near Rugby; presented by W. J. Harrison, Esq., F.G.S.

One specimen of *Tellina fausta*, from the Post-Pliocene, Belfields Quarry, Barbados; presented by W. Churchill, Esq.

Six specimens of limestone, with numerous examples of *Salterella*, from the Lower Cambrian, Loch Coul, West Coast of Sutherlandshire; presented by His Grace the Duke of Argyll, K.G., K.T., F.R.S., &c., &c.

Slab of Devonian Limestone, pierced by *Saxicava rugosa*, from Plymouth Breakwater; presented by W. H. Preece, Esq., F.R.S.

A specimen of *Gyroceras* (*Aipoceras*) *compressum*, from the Carboniferous Limestone, Clane, County Kildare, Ireland; presented by A. H. Foord, Esq., F.G.S.

One example of *Prolecanitis compressus*, J. Sby., sp. Carboniferous Limestone, Little Island, Queenstown Harbour, Ireland; presented by Joseph Wright, Esq., F.G.S.

Eighteen Cephalopods, from the Carboniferous Limestone

of Limerick, Kildare, Dublin, and Enniskillen; presented by A. H. Foord, Esq., F.G.S.

(*b*) *Molluscoida.*—Two slabs of Lias, containing specimens of *Rhynchonella variabilis*, from Street, Somerset; presented by J. Edmund Clark, Esq.

Sixty Brachiopods from the Silurian, Kinnekulla, Sweden, also twelve specimens of Polyzoa; presented by Francis Arthur Bather, Esq., M.A., F.G.S.

Two slabs of slate, with *Spirifer Verneuili*, from the Devonian, Tintagel, Cornwall; presented by J. H. Collins, Esq., F.G.S.

A specimen of *Orthotetes*, from the Carboniferous Limestone, Barry; presented by S. J. Da Costa, Esq.

(*c*) *Insecta* and *Crustacea.*—Twenty Silurian Trilobites from the Isle of Gotland; presented by F. A. Bather, Esq., M.A., F.G.S.

One specimen of *Archaeoniscus Brodiei*, from the Purbeck Beds; presented by Rev. P. B. Brodie, M.A., F.G.S.

Twelve specimens of *Estheria* (figured in the Brit. Assoc. Report, Nottingham, 1893, pl.iv., by T. R. Jones and H. Woodward), from the Permian of Altenstadt, Wetterau; also a specimen of *Carbonia* (figured and described in Transactions, Manchester Geol. Soc., vol. xxi., p. 13 and plate), from the same locality; presented by Baron Albert von Reinach.

A specimen of *Homalonotus*, from the Ordovician, Carnarvonshire; presented by W. J. Harrison, Esq., F.G.S.

(*d*) *Echinodermata.*—One hundred and twenty-seven specimens of Crinoidea and Cystidea, from the Silurian of the Island of Gotland; presented by F. A. Bather, Esq., M.A., F.G.S.

One silicified specimen of *Hagenowia rostrata*, Forbes, from the Upper Chalk, Milton, near Gravesend; presented by Dr. Barraclough.

Five rock-fragments of Palæozoic age, containing Crinoidal remains, from Afghanistan; presented by Arthur Collins, Esq.

(*e*) *Zoophyta.*—Seventy-five Corals and nine specimens of Graptolites, from the Silurian of the Island of Gotland; presented by F. A. Bather, Esq., M.A., F.G.S.

A silicified Coral, from Ballast Point, Zampa Bay, Florida; presented by Joseph Willcox, Esq.

(*f*) *Protozoa.*—Two slides of *Foraminifera*, from Hampshire and the Isle of Wight; presented by Mr. A. J. Jenkins.

A slab of *Orbitoides* Limestone, from Nakakosaka, North of Tokyo, Japan; presented by Professor T. Rupert Jones, F.R.S., F.G.S.

Two examples of *Arthrophycus*, Hall, from the Palæozoic Rocks, Gold Coast Colony; presented by Professor J. W. Judd, F.R.S., F.G.S.

C.—Plantæ.

Fifteen Coal Measure Plants, *Neuropteris*, &c., obtained from boring in Sandstone, Dover Coal-boring, presented by Francis Brady, Esq., C.E.

A series of concretionary bodies formed around roots in White Sand, between Cape Town and Simon's Town, Cape of Good Hope; presented by Percy A. Molteno, Esq.

A fine section of a fossil tree (*Dadoxylon*), from the Trencherbone fault, Coal Measures, near Worsley, Manchester; presented by W. W. Midgley, Esq., F.R.M.S.

Two examples of Lignite from the Tertiary of Bovey Tracey, Devonshire; presented by Dr. Pegler.

2.—*By Purchase.* A. Vertebrata.

1. *Mammalia.*— Sixty-seven bones of *Hippopotamus Lemerlei*, from the mud-deposits in hot-springs, Ant-Sirabe. A calvarium of *Megaladapis Madagascariensis*, and other Mammalian remains from Vakimitukaratra, Madagascar.

A skull of *Megaladapis Madagascariensis*, with portions of skulls of *Hippotamus*, *Sus*, *Potamochœrus*, and a femur of *Manis*, from Madagascar.

A molar tooth and five bones of *Mastodon americanum*, from Bothwell, Kent Co., Ontario, Canada.

Thirty-one bones of Mammalia from Torbryan Cave, near Torquay.

A series of two hundred and sixty remains of Mammalia from the Middle Miocene of La Grive St. Alban, France.

2. *Aves.*—A series of thirty bones of *Dinornis*, from New Zealand.

A series of bones of *Æpyornis maximus*, &c., from mud-deposits in hot-springs at Ant-Sirabe and Vakinitukaratra, Madagascar.

A skull and bones of *Aphanapteryx*, and portions of pelvis, &c., of *Æpyornis*, from Chatham Island.

A nearly perfect skeleton of *Aptornis defossor*, found at Castle Rock, Oreti River, Southland, New Zealand.

Fifty-five bird-bones from the Middle Miocene of La Grive St. Alban, France.

A collection of two hundred and fifty bird-bones from Corsica, Sardinia, &c. (described by Mr. Lydekker, in Trans. Zool. Soc., 1891).

3. *Reptilia.*—Twenty bones of reptiles, from the Middle Miocene, La Grive St. Alban, France.

A series of twenty-eight remains of *Crocodilus obtusirostris*, from mud-deposits at hot-springs, Ant-Sirabe; also bones of *Testudo* and *Crocodilus*, from a dried-up lake, and from Vakinitukaratra, Central Madagascar.

Fragmentary bones of *Testudo*, from Chatham Island.

A collection of fossil remains from the Oxford Clay, Fletton, near Peterborough, comprising one hundred and fifty-four bones of *Pliosaurus*, six hundred and twenty-eight of *Plesiosaurus*, four hundred and forty-three of *Ichthyosaurus*, and three hundred and sixty-one bones of *Crocodilia*.

Six specimens of *Branchiosaurus*, from the Permian, Niederhässlich, Saxony.

A series of eleven casts of reptilian skulls, &c., *Gordonia*, *Geikia*, &c., from the New Red Sandstone of Elgin, Morayshire (the originals figured and described in the Phil. Trans. Roy. Soc.)

A vertebra of *Morosaurus*, figured and described in Quart. Journ. Geol. Soc., Vol. xlix., p. 276, fig. 1, and four vertebræ of *Iguanodon*, from the Wealden, Hastings.

4. *Pisces*.—Impression and counterpart of fossil fish, *Serranus* sp., from the Eocene of Monte Bolca.

One hundred and twenty-eight specimens of fossil fish, and ten coprolites, from the Old Red Sandstone, Arbroath, Forfarshire.

One specimen of *Lepidotus Mantelli*, five spines of *Hybodus*, and other fish-remains from the Wealden of Hastings.

One hundred and eighty-five specimens of teeth of *Psammodus cubicus*, *Ostinaspis Barbotana*, *Petalodus*, &c., from the Carboniferous formation, Moscow.

Three coloured casts of figured fishes, and thirty-five fish remains from the Devonian of Canada.

One tooth of *Hybodus*, from the Grey Chalk of Dover.

Nine specimens of fossil fish from the Oligocene, Germany.

One specimen of *Mallotus villosus*, from the Post Tertiary, Greenland.

B.—Invertebrata.

(*a*) *Mollusca*.—Seventeen *Nautili*, from the Inferior Oolite, Sherborne, Dorsetshire.

One hundred and forty specimens of Mollusca, from the Carboniferous formation, Wetton, Staffordshire.

One fine *Trigonia*, and two specimens of *Pecten*, from the Great Oolite of Portland; also one *Ammonite*.

Fourteen Carboniferous Gasteropods, from near Moscow, Russia.

A series of fifty-five Quaternary, two hundred and eight Pliocene, and fifty-seven Miocene, Sicilian shells, from Messina, Attavilla, Gallina Milazzo and Rometta.

Eleven specimens of *Bellerophon striatus*, from the Carboniferous Limestone of Dumfries and Glasgow.

One hundred and sixty fossil Mollusca from the Calcaire Grossier (Eocene), Mons, Belgium.

(*b*) *Molluscoida*.—

(*b*) *Molluscoida.*—One hundred and sixty-five specimens of mounted Bryozoa, from the Chalk of Chatham.

A series of specimens of Brachiopoda, from the Carboniferous Limestone of Wetton, Staffordshire.

One thousand five hundred and fifty-eight mounted slides of Polyzoa from various formations (many of them figured and described). Also one hundred and thirty-seven specimens from the Ordovician of France, Australia, America and England.

Sixty specimens of Carboniferous *Brachiopoda*, from near Moscow, Russia.

(*c*) *Crustacea* and *Insecta.*—A series of Trilobites from the Silurian of Usk, Monmouthshire.

Five Trilobites from the Carboniferous Limestone, Wetton, Staffordshire.

Twelve figured specimens of Ostracoda, and thirty-one specimens of the same, from the Gault, Folkestone. (*See* Geol. Mag. 1893. Plate xiv., pp. 345–349.)

Fifty-one specimens of Crustacea from the Old Red Sandstone, Arbroath.

A collection of remains of *Olenellus* from the Lr. Cambrian, Comley Quarry, Caer-Caradoc.

(*d*) *Echinodermata.*—Twelve specimens of *Echinodermata*, from the Trenton Limestone, Trenton, Canada.

Twelve specimens of *Dadocrinus Kunischii*, from the Muschelkalk, Golossin, Silesia.

Five specimens of Devonian Star-fishes from Bundenbach (figured and described in Verhandl. Natur. der Rheinpreuss. 1893).

Sixty Carboniferous Crinoids, from near Moscow.

(*e*) *Zoophyta.*—Twenty-nine specimens of Coral, from the Carboniferous formation near Moscow.

(*f*) *Protozoa.*—Twenty-six slides of Gault Foraminifera, from Folkestone (figured and described Journ. Roy. Micro. Socy., 1892. Pl. 11 and 12, pp. 749–758).

Two specimens of *Fusulina* Rock, from near Moscow.

One specimen of *Fascicularia aurantium*, from the Red Crag, Suffolk.

C.—Plantæ.

A series of Coal Plants from the Forest of Dean.

Thirty-two specimens of plants from the Old Red Sandstone, near Arbroath.

Miscellaneous.

One hundred and sixty specimens of Rocks for the stratified rock series in the Wall-cases of Gallery 11.

The total number of specimens acquired during the past year has been as follows :—

A. VERTEBRATA :		
By Donation - - - - -	340	
„ Purchase - - - -	2,398	
„ Exchange - - - -	74	
	——	2,812
B. INVERTEBRATA :		
By Donation - - - -	2,317	
„ Purchase - - - - -	6,135	
„ Exchange - - - -	2	
	——	8,454
C. PLANTÆ :		
By Donation - - - - -	59	
„ Purchase - - - - -	623	
„ Exchange - - - - -	—	
	——	682
TOTAL Acquisitions in 1893 - -		11,948

VIII.—*Exchanges.*

The following exchanges have been sanctioned by the Trustees, namely :—

Fifteen specimens of the spines and bones of the genera *Homosteus* and *Heterosteus*, from the Russian Devonian, received from Professor F. Loewinson-Lessing, of the Dorpat University, in exchange for 50 *duplicate* Fish-remains and Invertebrata.

Five selected specimens of fossil fishes from Solenhofen, obtained from B. Stürtz, of Bonn, in exchange for seven duplicate fossils and a cast of *Pariasaurus Bainii*, Seeley.

Casts of 14 limb-bones, two teeth, and an entire mandible of *Elasmotherium Sibiricum*, received from Professor A. Pavlow, of the University of Moscow, in exchange for 19 duplicate casts of fossils made from originals in the Geological Department.

Thirteen casts, carefully prepared and coloured, of fossil bird-bones from Mauritius, described by MM. Newton and Gadow, sent by the Anatomical Museum, Cambridge University, in exchange for a cast of the Solenhofen *Archæopteryx*.

IX.—*Lectures and Demonstrations.*

Dr. Woodward took Miss Mizen's school around the Geological Gallery on 10th April, giving them a demonstration.

Dr.

Dr. Woodward gave a demonstration to the members of the Tunbridge Wells Natural History Society, represented by 24 members, on 21st October.

Professor H. A. Nicholson and Dr. H. Woodward took two sets of visitors (numbering about 80 persons), who had been attending the Swiney Lectures, round the Mammalian Galleries on October 28, and gave two demonstrations on the same day.

Mr. A. Smith Woodward gave a demonstration to the employés of Messrs. McCorquodale's Printing Office, upwards of 30 in number, on 10th June.

Mr. A. Smith Woodward also gave demonstrations to a party of 24 ladies and gentlemen from the Borough Polytechnic on 7th October, and to a party of 15 students from Morley College on the 18th November.

X.—*Students.*

The number of visits from students and persons who have consulted the collection and the Geological Reference Library for the purposes of scientific work during the past year, and who have received assistance from members of the staff, was 4,955.

Henry Woodward.

Department of Geology,
20 January 1894.

Department of Mineralogy.

The Staff and its Duties.

The staff of the Mineral Department consists of the Keeper, three Assistants, three Attendants, and two Boy-attendants. The duties are generally distributed as follows:—

Three Assistants.—To one is assigned most of the scientific and executive work relating to the collection of mineral species, including the preliminary examination of mineral specimens submitted for purchase or exchange, the registration and incorporation of those recently acquired, the determination of the physical and geometrical characters of specimens, the preparation of species-, variety-, and locality-labels, and the preparation of a descriptive catalogue of the collection.

To a second is assigned similar work relative to the specimens of rocks.

To a third is assigned the chemical analysis of both minerals and rocks.

Though a mineralogist can no longer satisfactorily attempt to keep abreast of scientific knowledge and undertake original scientific work in more than one of the above three branches of the subject (physical, petrological and chemical), such a sharp limitation of the work of the assistants would be contrary to the interests of the Museum; hence, as far as possible, it is arranged that each assistant has the opportunity of acquiring a general knowledge of the specimens preserved in the department, and of thus becoming more useful to the public during the absence of his colleagues.

Three Attendants.—One is specially employed in the preparation of thin sections of minerals and rocks for examination with the microscope; a second is charged with the arrangement and cataloguing of the Departmental Library; the third with the more mechanical work of the Chemical Laboratory. The general duties of dusting the cases, the packing and unpacking of specimens, copying, &c., are also performed by the attendants and boy-attendants.

Two Boy-Attendants.—They attend on the superior officers as required, are charged with the sale of the departmental guides, and do a large part of the simpler mechanical work, such as the filling of trays with clean cotton-wool.

General.

A new edition of the Students' Index to the Mineral Collection has been issued.

A descriptive Catalogue has been made of the facetted ornamental stones (722 in number), each specimen being examined and redetermined for this purpose.

The chemical examination of a New Zealand meteorite has been finished.

The examination and description of Xanthoconite and Fireblende have been completed; and a quantitative analysis of Fergusonite from Ceylon has been made.

Crystallographical and optical determinations have been made of Quartz from North Carolina, Spangolite from Cornwall, and Whewellite from Saxony.

Seventy-three specimens have been chemically examined; thirty-one specific gravity determinations have been made.

Progress has been made with the selection of a series of specimens to form an introduction to the study of rocks.

Experiments have been made with various fittings preparatory to the rearrangement of the case of polished specimens at the entrance to the Mineral Gallery.

A selection from the valuable mineral collection of the late J. M. Williams, Esq., presented by J. C. Williams, Esq., M.P., has been labelled and arranged for temporary exhibition in two window-cases.

Numerous

Numerous rock specimens belonging to the topographical series have been examined, labelled and rearranged, including the collections from Harz, Hungary, St. Gotthard, Auvergne, Iceland, Arabia, Persia, Mexico, Elba, India, New Zealand, Australia, Azores, and St. Helena.

One hundred and seventeen microscopic sections of rocks and minerals have been prepared, and eight slices of meteorites have been cut for exchange.

Selections have been made from two large private collections of minerals which were brought to the Museum for the purpose.

Exchanges have been arranged during the year with the Musée d'Histoire Naturelle, Paris, and with Owens College, Manchester.

One of the assistantships has been practically vacant during the whole year.

Departmental Library.

To the Departmental Library have been added 91 separate works (in 100 volumes), 24 memoirs and pamphlets, 18 parts of works not yet completed, and two maps. Of the above, 44 volumes and two maps were acquired by presentation or transfer; all of them, including 695 plates, have been registered and stamped.

Visitors.

The number of visits recorded as made to the Department for purposes of consultation or study is 1,714; of these 975 were more especially for purposes of study.

Duplicates.

A collection of 3,744 duplicate rock specimens has been given to the Museum of Science and Art, Dublin; labels containing any information recorded in the Departmental Register relative to them were prepared and sent with the specimens.

Acquisitions.

One thousand seven hundred and thirty-nine specimens have been acquired during the year 1893, namely:—1,023 minerals, 700 rocks and 16 meteorites. These have been registered, numbered, labelled and incorporated with the collection. The more important of them are named below:—

Minerals.

By Presentation:

The most important acquisition of the year is a collection of five hundred and fifty specimens, mostly from Cornwall,

including fine examples of Cerussite, Cassiterite, Fluor, Quartz, Haytorite, Clinoclase, Olivenite, Connellite, Liroconite, Pyromorphite, Apatite, Blende, Copper Glance, and the very rare mineral Spangolite; presented by J. C. Williams, Esq., M.P. These were selected from an old collection largely made by the late J. M. Williams, Esq., at a time when the Cornish mines were productive of fine mineral specimens; many of the minerals can scarcely be obtained at the present day.

Selenite in enormous transparent crystals; Wayne County, Utah; by Dr. J. E. Talmage.

Copper and Cupriferous minerals from Lake Superior and Arizona; by J. Douglas, Esq.

Blödite; Punjab, India; by the Director of the Geological Survey of India.

Trona; Central East Africa; by the Imperial British East Africa Company.

Ruby; Rimu, New Zealand; by Prof. G. H. F. Ulrich, F.G.S.

Monazite and other minerals; Tintagel, Cornwall; by H. A. Miers, Esq.

Zircon and Tourmaline; Ceylon; by Dr. H. Trimen, F.R.S.

Auriferous Conglomerate; Johannesburg, South Africa; by C. J. Woodward, Esq.

Quartz, Hiddenite and Rutile; Alexander County, North Carolina; by W. E. Hidden, Esq.

Borax; Death Valley, California; by A. Robottom, Esq.

Ruby and Sapphire Sand; Chantabun, Siam; by H. Louis, Esq.

Mica; Australia; by E. Davis, Esq.

Mackintoshite, a new mineral; by W. E. Hidden, Esq.

Quartz; Carrara, Italy; by R. W. Bourne, Esq.

Baddeleyite, a new mineral; São Paulo, Brazil; by Dr. E. Hussak.

Magnetite; Gellivara, Sweden; by W. Gregson, Esq.

Magnetite; Shetland; and Microcline; Tongue, Sutherland; by P. Dudgeon, Esq.

Gold; New England, New South Wales; by W. P. Faithfull, Esq.

Asbestos; Pennsylvania; and Mica from various North American localities; by J. Willcox, Esq.

Baddeleyite; Rakwana, Ceylon; by J. Baddeley, Esq.

Anatase, Turnerite and other minerals; Binnenthal, Switzerland; by G. Seligmann, Esq.

Mispickel; Bieber, Hesse; by Professor Max Bauer.

Pigotite; Cornwall; by J. K. Creighton, Esq.

Spangolite, a portion of the only existing American specimen; by Professor S. L. Penfield.

Argentite; Chili; and Descloizite; Argentine Confederation; by T. J. Gibb, Esq.

Auriferous Siliceous Sinter; Mount Morgan, Queensland; by R. L. Jack, Esq., F.G.S.

By

By Purchase:

A series of one hundred and forty-nine exceptionally fine specimens of North American minerals selected from the collection formed by Mr. Willcox, of Philadelphia, of which the most important are mentioned below :—

Diaspore; Unionville, Chester County, Pennsylvania.
Corundum: North Carolina.
Pyroxene; Burgess, Ontario, Canada.
Troostite; Franklin, New Jersey.
Scapolite; St. Lawrence County, New York.
Fowlerite: Franklin, Sussex County, New Jersey.
Tourmaline; St. Lawrence County, New York.
Garnet; Delaware County Pennsylvania; and Westfield, Massachusetts.
Altaite and Petzite; Boulder County, Colorado.
Danburite; Russell, St. Lawrence County, New York.
Rutile, twinned; Magnet Cove, Arkansas; and Lincoln County, Georgia.
Brookite; Magnet Cove, Arkansas.
Zircon in large crystals and twinned; Renfrew County, Canada.
Phlogopite in very large crystals; Burgess and South Elmsley, Ontario, Canada.
Molybdenite; Ontario, Canada.
Gieseckite, a large crystal; Lewis County, New York.
Apatite; Renfrew County, and Frontenac County, Canada.
Orthoclase and Microcline; Pike's Peak, Colorado.
Microlite; Amelia County, Virginia.
Scapolite; Ontario, Canada.
Pyroxene and Amphibole; Renfrew County, Ontario, Canada.
Amphibole; Pierrepont, St. Lawrence County, New York.
Jeffersonite; Franklin, New Jersey.
Corundum; Iredell County, N. Carolina.
Staurolite; Cherokee County, N. Carolina.
Clinochlore; Chester County, Pennsylvania.
Quartz; Pike's Peak, Colorado.
Pyrophyllite; Lincoln County, Georgia; and Orange County, N. Carolina.
Brucite; Texas, Lancaster County, Pennsylvania.
Columbite; Yancey County, N. Carolina.
Jade; Diana, Lewis County, New York.
Sphene; Renfrew County, Ontario, Canada.
Zoisite; Ducktown, Tennessee.

Other specimens worthy of special mention are :—

Neptunite; Julianehaab, Greenland.
Epididymite; Julianehaab, Greenland.
Flinkite; Harstigen, Pajsberg, Sweden.
Atacamite; Sierra Gorda, Caracoles, Chili.

0.107. **Hyalophane;**

Hyalophane; Binnenthal, Switzerland.
Queterrite; Sierra Gorda, Caracoles, Chili.
Proustite; Marienberg, Saxony.
Picroalunogen; Elba.
Kentrolite; Långban, Wermland, Sweden.
Friedelite and Pyrophanite; Harstigen, Pajsberg, Sweden.
Iron Pyrites; Monte della Riva, Bologna.
Binnite; Binnenthal, Switzerland.
Taraspite; Graubündten, Switzerland.
Dietrichite; Felsöbanya, Hungary.
Ihleite; Mugrau, Bohemia.
Schröckeringite; Johanngeorgenstadt, Saxony.
Pinitoid; Fichtelgebirge.
Sommairite; Laurium, Greece.
Bouglisite; Boleo, Santa Rosalia, California.
Diopside; Binnenthal, Switzerland.
Connellite; Cornwall.
Emerald in Kaolin; Emmaville, New South Wales.
Umangite; La Rioja, Argentine Republic.
Parisite in transparent crystals; Muzo, New Granada.
Quartz in richly modified crystals; Alexander County, N. Carolina.
Beryllonite, facetted; Stoneham, Maine.
Oligoclase facetted; Mitchell County, N. Carolina.
Fluor; Bolzen, Tyrol.
Celestine; Brousseval, Haute Marne, France.
Diamond; Brazil.
Whewellite; Zwickau, Saxony.
Rhodochrosite; Kapnik, Hungary.
Silver pseudomorphous after Stephanite; Przibram, Bohemia.
Eulytite; Schneeberg, Saxony.
Sulphur in very fine crystals; Girgenti, Sicily.
Gypsum, transparent twinned crystals; Girgenti, Sicily.
Phosgenite and Anglesite in large crystals; Monteponi, Sardinia.
Freyalite; Langesund, Norway.
Boleite; Santa Rosalia, Lower California.
Desaulesite; Franklin, New Jersey, U.S.A.
Monazite and Xenotime in very large crystals; Tvedestrand, Norway.
Fluor; Carn Brea, Cornwall.
Axinite; facetted.
Cassiterite; facetted.
Iodyrite in Kaolin; Broken Hill Mines, New South Wales.
Szmikite; Felsöbanya, Hungary.
Silver with Blende; Arizona, U.S.A.
Rhodochrosite in large crystals; Colorado, U.S.A.
Natrolite; Auvergne.
Aegyrite; Kangerdluarsuk, Greenland.

Pyrites;

Pyrites; Biskra, Algeria.
Black Amber; Catania, Sicily.
Aphthitalite; Vesuvius.
Apatite; Risör, Norway.
Columbite and Cleveite in very large crystals; Karlshus, Råde, Norway.
Basiliite; Sjögrufvan, Örebro, Sweden.
Sjögrufvite; Sjögrufvan, Örebro, Sweden.
Andalusite, facetted.
Dolomite, a very large crystal; Switzerland.

By Exchange:

Keilhauite in very large crystals; Arendal, Norway.

Of the above the following were new to the Collection:—Baddeleyite, Basiliite, Bouglisite, Desaulesite, Dietrichite, Epididymite, Freyalite, Ihleite, Mackintoshite, Neptunite, Picroalunogen, Pinitoid, Queterrite, Schröckeringite, Sjögrufvite, Soda-Catapleiite, Sommairite, Spangolite, Szmikite, Taraspite, Umangite.

Meteorites.

By Purchase:

Ostra Ljungby, Sweden; fell 3rd April, 1889; weight 214 grams.
Virba, Turkey; fell 20th May 1879; weight 38·5 grams.
Aleppo; fell about 20 years ago; weight 78 grams.
Indarh, Caucasus; fell 7th April 1891; weight 34·5 grams.
Kesen, Iwate, Japan; fell 13th June 1850; weight 1,281 grams.
Bath, South Dakota, U.S.A.; fell 29th August, 1892; weight 2,119 grams.
Kenton County, Kentucky, U.S.A.; weight 2,520 grams.
Youndegin, Western Australia; weight 630 grams.
Beaver Creek, West Koolenai District, British Columbia; fell 26th May 1893; weight 685·5 grams.
Cross Roads, Wilson County, North Carolina; fell 24th May 1892; weight 11·8 grams.

By Exchange:

Cachiyuyal, Desert of Atacama; weight 28 grams.
Montlivault, Loir-et-Cher, France; fell 22nd July 1838; weight 11 grams.
Sauguis, Basses Pyrénées; fell 7th September 1868; weight 11 grams.
Kerilis, Côtes-du-Nord, France; fell 26th November 1874; weight 69 grams.
Tadjera, Setif, Algiers; fell 9th June 1867; weight 36 grams.

Aumières, Lozère, France; fell 4th June 1842; weight 43 grams.

Of the above Meteorites those of which the names are italicised were new to the Collection.

Rocks.

By Presentation :

Lava and Lapilli; Dominica, West Indies; by the Secretary of the West Indies Committee.

Specimens of the stones of Stonehenge; by W. Cunnington, Esq., F.G.S.

Elæolite-Syenite; Dolar Pir, India; by Dr. J. W. Evans.

Various rock-specimens, from British Central Africa; by H. H. Johnston, Esq., C.B.

Vitrified stone; Inverness; by Miss M. B. Nixon.

Rock specimens; Boulay Bay, Jersey; by Dr. A. Dunlop.

Clay and Shale used in brick-making; by T. Mellowdew, Esq.

Banded Flint; Sherringham, Norfolk; by W. Carruthers, Esq., F.R.S.

Pebbles illustrating faulting; Stonehaven, Kincardineshire; by G. Murray, Esq., F.L.S.

Verite; Vera, Almeria, Spain; by Prof. J. W. Judd, F.R.S.

By Purchase:

Fifty rock-specimens from Iceland.

Thirty miscellaneous rocks from Mexico.

Four hundred and twelve miscellaneous rocks from Elba.

Three hundred and sixty-nine rock specimens and microscopic sections, collected by Mr. S. Allport.

2nd January 1894. *L. Fletcher.*

Department of Botany.

During the past year 17,677 specimens have been named, mounted, and incorporated with the general Herbarium. These have consisted, principally, of plants from Anatolia, collected by Sintenis; of Indian *Anonaceæ* and *Palmæ*, from Dr. King: of plants from India, by C. B. Clarke and Gamble; of *Orchideæ*, from Malaya, by Ridley; of Ferns, from Borneo, by Charles Hose, Esq., and Grabowski; of plants from Western China, by Pratt; from Corea, by Veitch; of *Cyperaceæ* and *Gramineæ*, from North Africa, by Scott Elliot; of plants from Nyasaland, by Buchanan and Whyte; from the Transvaal, by Rehmann; from Natal, by Wood; from South Africa, by MacOwan and Bolus; from Lifu, by Whitmee; from Mexico, by Pringle, Palmer, Botteri, and Ghiesbrecht; from Bolivia, by Bang and Rusby; from Uruguay, by Aplin; from Australia,

lia, by Baron von Mueller; of specimens of *Compositæ*, *Apocynaceæ*, *Asclepiadaceæ*, *Borragineæ*, and *Labiatæ* from various regions, and by different collectors; and of numerous specimens of various orders from the Herbaria of Triana, Miers, Wilson, Auerswald, Ravenel, Moore, and Shuttleworth.

In the progress of incorporating these additions the following Natural Orders have been more or less completely revised:—*Malvaceæ*, *Celastrineæ*, *Melastomaceæ*, *Compositæ*, *Apocynaceæ*, *Asclepiadaceæ*, *Borragineæ*, *Labiatæ*, *Orchideæ*, *Iridaceæ*, *Xyridaceæ*, and *Gramineæ*.

In the progress of the work the officers of the Department have been engaged as follows:—

Mr. E. G. Baker has incorporated the *Polypetalæ* of various collections with the general Herbarium. The principal of these have been the plants from Mexico, by Palmer, Pringle, and Ghiesbrecht; from Uruguay, by Aplin; from Australia, by von Mueller; from India, by Gamble, Clarke, and King; from Lifu, by Whitmee; from the Transvaal, by Rehmann; from the Cape of Good Hope, by MacOwan and Bolus, and from Sierra Leone, by Scott Elliot.

He has completely revised the Order *Melastomaceæ*, and arranged it in accordance with the recent Monograph of Prof. Cogniaux. The genera *Malachra*, *Urena*, and *Gossypium* have also been critically named and arranged after recent authors, the latter genus with the assistance of Dr. Watt, of Calcutta. He has completed his enumeration of the *Malvaceæ*, which has been carried on for several years.

Mr. James Britten has incorporated with the Herbarium a large number of plants belonging to the Orders *Compositæ*, *Apocynaceæ*, *Asclepiadaceæ*, *Borragineæ*, and *Labiatæ*. He has named the African species of these and other Monopetalous Orders, and nearly completed the naming and arranging the very large collections of American *Compositæ*. Several collections of African plants have been incorporated with the Herbarium, including those of Welwitsch, Scott Elliot, Buchanan, Wood, and Bolus; and the new species of Mr. Whyte's collections from Milanji have been described. He has also superintended the temporary arrangement of the *Monopetalæ* not yet incorporated with the Herbarium, and has named a considerable number of small groups of plants in accordance with recent monographs. Mr. Britten has devoted some time to the arrangement of the collection of prints and drawings of plants, and has superintended the preparation of the Library Catalogue.

Mr. A. B. Rendle has incorporated the Monocotyledoms and Gymnosperms of the following collections: From Europe by Schulz; from Paphlagonia by Sintenis; from Syria by Post; from Corea by Veitch; from Singapore, Pahang, &c. by Ridley; from Abyssinia by Schimper; from North and

West Tropical Africa by Scott Elliot; from Tropical Africa by Day and Buchanan; from Natal by Mrs. Saunders; from South Africa by MacOwan, Bolus and Schlechter; from St. Vincent by Smith; from California by Lobb; from Mexico by Pringle, and from Bolivia by Rusby; also the *Apetalæ* of various collections, together with a collection of Eastern Palms from King, and *Cyperaceæ* from Hance. The *Balanophoreæ*, a portion of the *Thymelæaceæ*, and the genus *Thesium*, have been revised, and several new species have been described. The order *Iridaceæ* has been revised and arranged in accordance with Baker's recent monograph, and some new species described. The *Xyridaceæ* have been revised and arranged after Nilsson's recent memoir. The tribe *Andropogoneæ* of the grasses has been revised and arranged according to Hackel's monograph, and several new species described. The fossil fruits referred to Nipa have been monographed, and the specimens in the Geological Department have been named. Mr. Rendle has also completed the series in the Index Collection in the Great Hall illustrating the leaves of Dicotyledons.

Mr. Antony Gepp has been occupied with naming and arranging extensive collections of Mosses and Hepatics from the West Indies and East Tropical Africa. He has revised the orders *Bruchiaceæ* and *Hookeriaceæ*, and has selected, prepared, and labelled the series of specimens illustrating the Mosses, Hepatics, and Lichens exhibited in the Gallery of the Department.

Mr. George Murray has continued the incorporation of the Ravenel collection, and has completed the naming of the Algæ of this collection. The extensive collection of Diatomaceæ, acquired in the course of the year, has been arranged in order, and made easily available for workers. He has re-arranged several groups of *Algæ*, viz., the *Corallineæ*, and part of the *Chlorophyceæ* and *Cyanophyceæ*, and has named and incorporated with the Herbarium collections from Australia, the Cape of Good Hope, and the West Indies. Mr. Murray has selected, prepared, and labelled the *Algæ* and *Fungi* exhibited in the public gallery of the Department, and has arranged the models of Fungi made by Sowerby in accordance with the popular guide to these models by Mr. W. G. Smith, which was published during the year. The second part of Algological Researches carried on by Mr. Murray, and contributed to by students in the Museum, has been published.

The principal additions to the Herbarium during the year have been the great collection of *Diatomaceæ* formed by Mr. Julius Deby, and containing nearly 30,000 named slides, and the Herbarium of the late Mr. Jenner, containing over 6,000 specimens of Algæ.

The transverse section of the Wellingtonia (*Sequoia gigantea*) was received from California. It has a diameter of over fifteen feet, and its annual rings show that it had lived for

1,335 years. It is being prepared for exhibition in the Great Hall.

The additions to the collections by presentation have consisted of 4,087 plants from Malaya, presented by H. N. Ridley, Esq.; 472 plants from India and Malaya, presented by Dr. King; 490 specimens of Indian *Cyperaceæ*, presented by C. B. Clarke, Esq.; 72 species from the Corea, collected and presented by T. H. Veitch, Esq.; 230 species from Nyasaland, collected by Mr. Whyte, and presented by Her Majesty's Commissioner, H. H. Johnston, Esq., C.B.; 52 specimens of woods and fruits of *Raphia*, from Nyasaland, collected and presented by J. Buchanan, Esq., C.M.G.; 1,158 specimens from Sierra Leone, collected and presented by G. F. Scott Elliot, Esq.; and 27 species from the same country from H. H. Johnston, Esq., C.B.; 200 species from the Cape of Good Hope, by Messrs. MacOwan and Bolus; 74 South African plants from Mrs. Saunders; 138 plants from West Australia, collected and presented by T. H. Veitch, Esq.; 24 species from Gippsland, and 32 other Australian plants, presented by Baron von Mueller; 55 plants from West Australia, collected by Brewer, and presented by J. Cosmo Melvill, Esq.; 500 species from Siberia, presented by Arthur Bennett, Esq.; 295 plants from St. Vincent, collected by Smith, and presented by F. Du Cane Godman, Esq.; 29 species of Mexican *Malvaceæ*, collected by Palmer, and presented by the Department of Agriculture, Washington; specimens of several Chilian *Malvaceæ*, presented by Dr. Philippi; 133 specimens from Uruguay, collected and presented by O. V. Aplin, Esq., 44 species from the Argentine Republic, collected and presented by Mr. White; 32 species from Canada, collected and presented by Professor Macoun; specimens of cultivated orchids from James Veitch, Esq., and from F. W. Moore, Esq.

A large collection consisting 1,097 cellular plants collected by Elliot in Dominica and St. Vincent was presented by the Committee for the Exploration of the West Indies; 166 Algæ from the Cape of Good Hope, presented by W. Tyson, Esq.; 51 species of Algæ from Cape Colony, presented by John Farquhar, Esq.; 22 Algæ from Natal, presented by Dr. Becker; specimens of Algæ from Professor Weiss, S. T. Da Costa, Esq., Professor Suringar, Professor Schmitz, and the Lords of the Admiralty; 174 Algæ from Australia, presented by Baron von Mueller; 140 Mosses of New Zealand, presented by Dr. Simmonds; 10 Mosses from M. F. Cardot; 65 species of cellular plants from Perak, presented by Dr. King; nine cellular plants from Singapore, presented by H. N. Ridley, Esq.; and specimens of Fungi from Professor Boulger, W. W. Strickland, Esq., and C. N. Ellacombe, Esq.

The following additions have been made to the British Herbarium by presentation:—390 species presented by the Rev. E. S. Marshall; 317 species from Inverness, presented by

Arthur Bennett, Esq.; 46 Rubi, named by Bloxam, and presented by the Linnean Society; 80 plants from Dorset, presented by J. C. Mansel Pleydell Esq.; specimens of *Trachelium cœruleum* from Guernsey presented by J. C. Melvill, Esq.; two species of *Asplenium*, presented by Edward Bennett, Esq.; a specimen of an aposporous Lady Fern, presented by C. T. Druery, Esq.; 21 Shropshire Mosses, presented by R. de G. Benson, Esq.; and 28 species of Algæ from the Clyde Basin, presented by George Brebner, Esq.

The following collections have been acquired by purchase: —25 specimens of British Rubi from the Rev. E. F. Linton; 690 plants of Nyasaland from Mr. Buchanan; 99 species of Cape of Good Hope plants from Schlechter; 40 species of Assyrian plants from Post; 530 species of plants from Mexico, collected by Pringle; 452 plants from Bolivia, collected by Bang; 12 fruits from Mexico, collected by Howorth; 299 plants from Swan River, Australia, collected by Brewer; 75 species of Canadian Mosses and 100 species of Canadian Lichens from Mr. Macoun; 150 species of Mosses from North America, collected by Renauld and Cardot; 150 species of Mosses and Hepaticæ from the Cameroons, collected by Dusén; 29 specimens of Sphagna from Labrador, collected by Rev. A. C. Waghorne; 200 specimens of Hepaticæ from France, by Husnot; 165 slides of British Algæ from Buffham; 50 slides of British Marine Algæ from Brebner; 25 specimens of British Algæ from Holmes; 100 slides of Fungi from Tempere and Dutertre; 100 Fungi from Saxony, by Krieger; 50 specimens of Economic Fungi, by Seymour and Earle; 100 specimens of Rabenhorst's European Fungi; 250 species of Fungi from Sydow; 25 species of parasitic Fungi from Briosi; 50 species of Fungi from Lombardy, by Cavara; and 29 cellular plants from Bolivia, collected by Rusby.

Specimens of Seeds from the interglacial beds at Rotthus, were presented by Professor Nehring, and Fruits of Nipa, from the Tertiary strata at Sheppey, by Mr. Shrubsole.

The following works have been presented to the Library of the Department:—Contributions from the Botanical Laboratory of the University of Pennsylvania, vol. i, Nos. 1, 2, by Mr. J. W. Harshberger; Scott Elliot, Flora of Dumfriesshire, Part II., by the Author; Watt, Dictionary of the Economic Products of India, vol. vi., and Hooker, Flora of British India, by the Secretary of State for India; Fourth Annual Report of Missouri Botanic Gardens, by W. Trelease, Esq. Contributions to the Queensland Flora, 3–6, and Economic Botany, by the Under Secretary for Agriculture; J. H. Burkhill, Flora of Gloucestershire, by the Author; Britten and Boulger, Biographical Index of British Botanists, by the Authors; Krok and Almquist, Svensk Flora, by the Rev. E. F. Gepp; S. T. Dunn, Flora of South-West Surrey, by the Author;

Author; Vasey, Grasses of the Pacific Slope, Part ii., by the Secretary of Agriculture, Washington; McAlpine, On a poisonous species of Homeria, by the Department of Agriculture, Victoria; Report for 1892 of the Botanical Exchange Club, by G. C. Druce, Esq.; E. Fischer, Phaloideen, by the Author; W. Fawcett, Plants of Jamaica, by the Author; Smith, Enumeratio Plantarum Guatemalensium, by the Author; Scott Elliott and Raisin, Botany and Geology of Sierra Leone, by the Authors; Kiærskou, Enumeratio Myrtacearum Brasiliensium, by the Author; Brown, Trees of the Agri-horticultural Gardens, Madras, by Mr. Britten; Uebersicht der Botanik in Russland, 1890–91, by the Imperial Society, St. Petersburg. King, Materials for the Flora of the Malayan Peninsula, No. 5, by the Author; Contributions from the U.S. National Herbarium, vol. i., Nos. 7 and 8, and vol. iv., the Secretary of Agriculture, Washington; Quarterly Record of the R. Botanic Society, by the Society; Pharmaceutical Journal, by the Society; The Garden, by W. Robinson, Esq.; Journal of the Linnean Soc., Nos. 203–205, and Transactions, Nos. 8 and 9, by the Society; Journal of Botany, 1893, by Mr. Britten; Bulletin de la Société Linnéenne de Paris, by M. Baillon; Bulletin of the Botanical Department, Jamaica, by W. Fawcett; W. Trelease, Sugar Maples, by the Author; Prodromus Floræ Batavæ; and, Nederlandsch Kruidkundig Archief, vi., 2, from the Society; J. B. Wilson, Catalogue of Algæ, by the Author; Spegazzini, Fungi Puiggariani, by Dr. Sclater; Phycological Memoirs II., and 79 papers on Cellular Plants, by G. M. Murray; List of British Algæ, by E. A. L. Batters, Esq.; List of Cape Algæ, by Miss Barton; Nilsson, Studien in die Xyrideen, by the Author; Philippi, Plantas nuevas Chilenas, by the Author.

The number of visitors to the Herbarium for scientific research or inquiry during the year has been 2,274.

William Carruthers.

BRITISH MUSEUM
M. D.
NATURAL HISTORY

RETURN.

BRITISH MUSEUM.

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BRITISH MUSEUM.

RETURN to an Order of the Honourable the House of Commons, dated 5 April 1895;—*for*,

ACCOUNT "of the INCOME and EXPENDITURE of the BRITISH MUSEUM (SPECIAL TRUST FUNDS) for the Year ending the 31st day of March 1895; and, RETURN of the Number of PERSONS admitted to visit the MUSEUM and the BRITISH MUSEUM (NATURAL HISTORY) in each Year from 1889 to 1894, both Years inclusive; together with a STATEMENT of the PROGRESS made in the ARRANGEMENT and DESCRIPTION of the COLLECTIONS, and an ACCOUNT of OBJECTS added to them in the Year 1894."

Treasury Chambers,
29 June 1895.

JOHN T. HIBBERT.

(*Sir John Lubbock.*)

Ordered, by The House of Commons, *to be Printed,*
2 *July* 1895.

LONDON:
PRINTED FOR HER MAJESTY'S STATIONERY OFFICE,
BY EYRE AND SPOTTISWOODE,
PRINTERS TO THE QUEEN'S MOST EXCELLENT MAJESTY.

And to be purchased, either directly or through any Bookseller, from
EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C.,
and 32, ABINGDON STREET, WESTMINSTER, S.W.; or
JOHN MENZIES & CO., 12, HANOVER STREET, EDINBURGH, and
90, WEST NILE STREET, GLASGOW; or
HODGES, FIGGIS, & CO., LIMITED, 104, GRAFTON STREET, DUBLIN.

353.

CONTENTS.

Page

I.—ACCOUNT OF THE RECEIPT AND EXPENDITURE OF THE BRIDGEWATER FUND, for the Year ended 31st March 1895 - - - - - - - - - - - - 4

II.—ACCOUNT OF THE FARNBOROUGH FUND, for the same period - - - - - - - - - - - - - 4

III.—ACCOUNT OF THE SWINEY FUND, for the same period - 6

IV.—ACCOUNT OF THE BIRCH FUND, for the same period - - 6

V.—ACCOUNT OF THE TAPLING BEQUEST, for the same period 8

VI.—ACCOUNT OF THE TURNER BEQUEST, for the same period 8

VII.—RETURN of the Number of PERSONS admitted to visit the BRITISH MUSEUM and the BRITISH MUSEUM (NATURAL HISTORY) in each Year from 1889 to 1894, both Years inclusive - - - - - - - - - - - - - 10

VIII.—STATEMENT of GENERAL PROGRESS at the MUSEUM (Bloomsbury) - - - - - - - - - - - - - 14

IX.—STATEMENT of PROGRESS made in the ARRANGEMENT and DESCRIPTION of the COLLECTIONS, and ACCOUNT of OBJECTS added to them, in the Year 1894 (Bloomsbury) - - - 17

X.—Ditto - - - ditto - - - (Natural History) - - - 92

I.—AN ACCOUNT of the RECEIPTS AND EXPENDITURE of the

		Cash.	Stock, 2¾ °/₀ Consols.
		£. s. d.	£. s. d.
To BALANCES on the 1st April 1894 - - -		90 14 3	13,150 13 10
– DIVIDENDS received on 13,150*l.* 13*s.* 10*d.* Stock in 2¾ per Cent. Consols, bequeathed by the Earl of Bridgewater, viz.:			
	£. s. d.		
On the 5th April 1894 -	90 8 2		
„ 5th July 1894 -	90 8 3		
„ 5th October 1894 -	90 8 2		
„ 5th January 1895 -	90 8 3		
		361 12 10	
– RENT OF A REAL ESTATE, bequeathed by the Earl of Bridgewater (less charges of collection and repairs) - - - -		35 10	
	£.	487 17 3	13,150 13 10

II.—AN ACCOUNT of the RECEIPTS AND EXPENDITURE of the

		Cash.	Stock, 2¾ °/₀ Consols.
		£. s. d.	£. s. d.
To BALANCES on the 1st April 1894 - - -		37 7 3	2,879 10 7
– DIVIDENDS received on 2,879*l.* 10*s.* 7*d.* Stock in 2¾ per Cent. Consols, bequeathed by Lord Farnborough, viz.:			
	£. s. d.		
On the 5th April 1894 -	19 15 11		
„ 5th July 1894 -	19 15 11		
„ 5th October 1894 -	19 15 11		
„ 5th January 1895 -	19 15 11		
		79 3 8	
	£.	116 10 11	2,879 10 7

BRIDGEWATER FUND, from the 1st April 1894 to the 31st March 1895.

	Cash.	Stock, 2¾ °/₀ Consols.
	£. s. d.	£. s. d.
By Payment of one Year's Salary to the Egerton Librarian - - - - - -	210 - -	
- Payment for the Purchase of Manuscripts	58 12 11	
- Balances on the 31st March 1895, carried to Account for 1895-96 - - -	219 4 4	13,150 13 10
£.	487 17 3	13,150 13 10

FARNBOROUGH FUND, from the 1st April 1894 to the 31st March 1895.

	Cash.	Stock, 2¾ °/₀ Consols.
	£. s. d.	£. s. d.
By Payment for the Purchase of Manuscripts	75 - -	
- Balances on the 31st March 1895, carried to Account for 1895-96 - -	41 10 11	2,879 10 7
£.	116 10 11	2,879 10 7

III.—AN ACCOUNT of the RECEIPTS AND EXPENDITURE of the

		Cash.	Stock, 2¾ °/₀ Consols.
		£. s. d.	£. s. d.
To BALANCES on the 1st April 1894 - - -		110 17 8	5,583 1 6
- DIVIDENDS received on 5,583*l.* 1*s.* 6*d.* Stock in 2¾ per Cent. Consols, bequeathed by Dr. George Swiney for Lectures on Geology, viz.:			
On the 5th April 1894 -	£. 38 7 8		
„ 5th July 1894 -	38 7 8		
„ 5th October 1894	38 7 8		
„ 5th January 1895	38 7 8		
		153 10 8	
	£.	264 8 4	5,583 1 6

IV.—AN ACCOUNT of the RECEIPTS AND EXPENDITURE of the

		Cash.	Stock, 2¾ °/₀ Consols.
		£. s. d.	£. s. d.
To BALANCE on the 1st April 1894 - - -		- -	565 3 9
- DIVIDENDS received on 565*l.* 3*s.* 9*d.* Stock in 2¾ per Cent. Consols, bequeathed by Dr. Birch in 1766, for the three Under Librarians of the British Museum, viz.:			
On the 5th April 1894 -	£. 3 17 9		
„ 5th July 1894 -	3 17 8		
„ 5th October 1894 -	3 17 9		
„ 5th January 1895	3 17 8		
		15 10 10	
	£.	15 10 10	565 3 9

SWINEY FUND, from the 1st April 1894 to the 31st March 1895.

	Cash.	Stock, 2¾ °/₀ Consols.
	£. s. d.	£. s. d.
By Salary paid to Dr. H. Alleyne Nicholson for Lectures on Geology in 1894 - - -	150 - -	
- Balances on the 31st March 1895, carried to Account for 1895-96 - - -	114 8 4	5,583 1 6
£.	264 8 4	5,583 1 6

BIRCH FUND, from the 1st April 1894 to the 31st March 1895.

	Cash.	Stock, 2¾ °/₀ Consols.
	£. s. d.	£. s. d.
By Legacy paid to the three Under Librarians of the British Museum, whose offices existed in 1766, viz., the Keepers of the Departments of Printed Books, Manuscripts, and Natural History - - -	15 10 10	
- Balance on the 31st March 1895, carried to Account for 1895-96 - - -	- -	565 3 9
£.	15 10 10	565 3 9

V.—AN ACCOUNT of the RECEIPTS and PAYMENTS in connection
1st April 1894 to

		Cash.	Stock in Local Loans, 3 °/₀.
		£. s. d.	£. s. d.
To BALANCES on the 1st of April 1894 -		8 13 6	700 – –
– DIVIDENDS received on Local Loans Stock, viz.:			
On 800*l.* on the 5th April 1894 - - - - -	£. 6 – –		
On 700*l.* Stock on the 5th July 1894 - - -	5 5 –		
On 700*l.* Stock on the 5th October 1894 - - -	5 5 –		
On 700*l.* Stock on the 5th January 1895 - - -	5 5 –		
		21 15 –	
– AMOUNT realised by Sale of 200*l.* Local Loans Stock, less Brokerage - - -		215 4 –	
	£.	245 12 6	700 – –

VI.—AN ACCOUNT of the RECEIPTS and PAYMENTS in connection
1st April 1894 to

		Cash.	Stock in Metropolitan 3 °/₀.
		£. s. d.	£. s. d.
To BALANCES on the 1st April 1894 - - -		127 18 3	1,400 – –
– DIVIDENDS received on Metropolitan 3 per cent. Stock, viz.:			
On 1,400*l.* on the 1st May 1894 - - - - -	£. 10 10 –		
On 1,400*l.* on the 1st August 1894 - - - - -	10 10 –		
On 1,400*l.* on the 1st November 1894 - - - -	10 10 –		
On 1,400*l.* on the 1st February 1895 - - - -	10 10 –		
		42 – –	
– AMOUNT realised by sale of 200*l.* Metropolitan 3 per cent. Stock, less Brokerage, &c.		221 14 –	
	£.	391 12 3	1,400 – –

with the BEQUEST of the late Mr. T. K. TAPLING, M.P., from the the 31st March 1895.

	Cash.	Stock in Local Loans, 3 %.
	£. s. d.	£. s. d.
By Payments for mounts, etc., for the collection - - - - - - - - -	9 16 –	
– Payment of one year's Salary to a special Assistant engaged to continue the arrangement and mounting of Mr. Tapling's Collection of Stamps - - - - - -	200 – –	
– Sale of Stock - - - - - - - -	- -	200 – –
– Balances on the 31st March 1895, carried to Account for 1895-96 - - - -	35 16 6	500 – –
£.	245 12 6	700 – –

with the BEQUEST of the late Miss E. T. TURNER, from the the 31st March 1895.

	Cash.	Stock in Metropolitan 3 %.
	£. s. d.	s. d.
By Amount expended in excavations on the Site of Amathus, in the Island of Cyprus - -	81 15 –	
– Amount expended on the site of Curium, also in the Island of Cyprus, including travelling and subsistence allowance of an Assistant from the British Museum - -	224 14 3	
– Sale of Stock - - - - - - - -	- -	200 – –
– Balances on the 31st March 1895, carried to Account for 1895-96 - - - -	85 3 –	1,200 – –
£.	391 12 3	*1,400 – –

E. Maunde Thompson,
Principal Librarian and Secretary.

VII.—NUMBER of PERSONS ADMITTED to VISIT the BRITISH MUSEUM and the BRITISH MUSEUM (NATURAL HISTORY).

A.—PERSONS admitted to View the GENERAL COLLECTIONS in the British Museum in each Year from 1889 to 1894, both Years inclusive.

	1889.	1890.		1891.		1892.		1893.		1894.	
	No.	Day. No.	Evening. No.	Day. No.	Evening. No.	Day. No.	Evening. No.	Day. No.	Evening. No.	Day. No.	Evening. No.
JANUARY -	35,360	35,013	—	33,563	3,237	33,559	2,789	38,872	2,839	42,063	2,905
FEBRUARY -	34,622	31,876	15,230	31,369	3,836	32,482	3,964	36,824	3,062	35,634	3,029
MARCH -	37,366	32,092	9,535	44,058	3,984	39,484	3,531	38,815	2,915	49,272	3,375
APRIL -	52,716	54,141	7,442	42,270	4,012	48,980	3,222	49,104	2,740	43,576	3,206
MAY - -	43,509	43,101	6,212	46,449	3,865	37,358	3,006	42,624	3,142	50,434	3,531
JUNE - -	53,792	34,318	4,963	35,677	{ galleries closed.	41,516	3,284	37,280	2,736	44,408	3,106
JULY - -	46,964	45,036	4,712	45,753	3,246	40,904	2,613	43,308	1,969	47,498	2,604
AUGUST -	51,359	49,710	3,543	52,998	4,420	71,044	4,354	51,132	2,906	64,150	4,051
SEPTEMBER	37,681	39,429	4,301	39,440	4,273	50,353	4,504	45,226	3,931	44,594	3,724
OCTOBER -	40,427	36,061	4,431	37,162	3,581	44,339	3,506	44,529	3,424	44,177	3,256
NOVEMBER	34,559	31,105	3,629	32,007	3,346	37,964	3,095	38,435	2,458	37,861	2,997
DECEMBER -	36,182	31,951	2,341	34,019	2,349	39,946	2,751	38,064	2,225	37,297	2,229
Total Number of Persons admitted to view the General Collections -	504,537	463,833	66,339	474,765	40,149	517,929	40,619	504,213	34,347	540,964	38,013
		530,172		514,914		558,548		538,560		578,977	

NUMBER OF VISITS TO PARTICULAR DEPARTMENTS.	1889.	1890.	1891.	1892.	1893.	1894.
To the Reading Room, for the purpose of research and reference -	190,025	197,823	198,310	197,984	194,102	202,973
To the Newspaper Room, for the purpose of research - - -	14,524	15,216	14,529	14,590	14,747	15,394
To the Map Room, for the purpose of special research - -	196	178	162	299	208	278
To the Department of Manuscripts, for the purpose of examining Select and other Manuscripts - - - - -	8,817	7,805	8,257	8,197	9,310	9,610
To the Print Room, for the purpose of study - - - -	4,850	5,220	5,370	5,474	5,645	5,705
To the Egyptian and Assyrian Department, for the purpose of study - - - - -	—	—	—	—	1,619	1,600
To the Galleries of Sculpture, for the purpose of study - -	13,122	11,686	6,625	5,815	5,311	6,272
To the Coin and Medal Room, for the purpose of study, &c. -	2,108	1,988	1,727	1,723	2,440	2,612
To the Gold Ornament and Gem Room - - - - - - -	20,747	19,128	19,607	19,801	17,900	20,420
TOTAL - - -	254,389	259,044	254,587	253,883	251,282	264,864

The Exhibition Galleries of the British Museum, Bloomsbury (including the Departments of Printed Books and Maps, Manuscripts, Prints and Drawings, Egyptian and Assyrian Antiquities, Greek and Roman Antiquities, British and Mediæval Antiquities and Ethnography, and Coins and Medals), are open to the public, free, as under :—

MONDAY, WEDNESDAY, FRIDAY, and SATURDAY—The whole of the Galleries.

TUESDAY and THURSDAY—The whole of the Galleries, except British and Mediæval Antiquities and Ethnography and rooms in the "White" Wing.

The hours of Admission are from—

10 a.m. till 4 p.m. in January, February, November, December.

10 a.m. till 5 p.m. in March, September, October.

10 a.m. till 6 p.m. in April, May, June, July, August.

Also on—

MONDAY and FRIDAY EVENINGS (8 to 10 p.m.)—Egyptian, Assyrian, Semitic, Religious and American Collections.

WEDNESDAY and SATURDAY EVENINGS (8 to 10 p.m.)—Greek and Roman Collections.

TUESDAY and THURSDAY EVENINGS (8 to 10 p.m.)—Manuscripts, King's Library, Porcelain and Glass, and Prints and Drawings, Prehistoric, Ethnographical and Mediæval Collections.

The Museum is closed on Sundays, Good Friday, Christmas Day, and days of Public Fast and Thanksgiving.

Persons applying for the purpose of research and reference are admitted to the Reading Room under certain regulations every day, except the days specified below, in the months of January, February, March, April, September, October, November, and December, from 9 a.m. till 8 p.m.; and in the months of May, June, July, and August, from 9 till 7. The Newspaper Room is open, under similar regulations, from 10 a.m. until ten minutes before the hour of general closing.

The Reading Room, Newspaper Room, and Students' Room, Department of Manuscripts, are closed on Sundays, Good Friday, Christmas Day, and the first four week-days in March and September.

Students are admitted generally to the several Departments from 10 till 4 o'clock: to the Sculpture Galleries from 9 o'clock till the hour of general closing; and to the Print Room from 10 till 4 o'clock from January to March, and from August to December, and from 10 till 5 from April to July.

British Museum,
30 March 1895.

E. Maunde Thompson,
Principal Librarian and Secretary.

B.—PERSONS ADMITTED TO VIEW THE COLLECTIONS IN THE BRITISH MUSEUM (NATURAL HISTORY), CROMWELL ROAD, in each Year from 1889 to 1894, inclusive.

	1889:	1890:	1891:	1892:	1893:	1894:
JANUARY	24,699	24,273	25,146	30,002	23,789	30,093
FEBRUARY	20,391	17,937	21,376	22,984	24,204	27,884
MARCH	30,294	22,439	39,697	26,014	26,181	44,117
APRIL	49,262	45,309	32,102	43,765	44,042	29,260
MAY	31,866	38,034	36,841	24,516	43,420	40,248
JUNE	42,201	32,381	26,405	33,697	31,134	30,586
JULY	28,485	29,820	31,923	25,612	36,714	29,752
AUGUST	40,138	40,434	47,635	37,193	59,072	54,606
SEPTEMBER	25,262	29,329	32,217	26,285	30,011	32,375
OCTOBER	23,264	23,138	31,496	28,965	34,848	34,152
NOVEMBER	20,319	23,144	23,366	24,539	26,847	27,308
DECEMBER	24,865	24,444	27,702	28,345	27,946	33,191
TOTAL Number of Persons admitted to view the Natural History Collections (including Students)	361,046	355,682	375,906	351,917	408,208	413,572

Number of Visits to particular Departments, for the purpose of Study—	1889:	1890:	1891:	1892:	1893:	1894:
ZOOLOGY	8,360	9,034	9,443	10,932	10,872	10,730
GEOLOGY	3,339	3,771	2,961	4,107	4,955	5,176
MINERALOGY	683	623	946	1,751	1,714	1,994
BOTANY	1,344	1,244	2,226	2,585	2,274	2,129
TOTAL	13,726	14,672	15,576	19,375	19,815	20,029

The Exhibition Galleries of the British Museum (Natural History), Cromwell-road, South Kensington, including the Departments of Zoology, Geology and Palæontology, Mineralogy, and Botany, are open to the public, free, every day of the week, except Sunday, and except Good Friday and Christmas-day, and days of Public Fast or Thanksgiving.

The

The Hours of Admission are from—

10 a.m. till 4 p.m. in January, November and December.
10 a.m. till 4.30 p.m. in February.
10 a.m. till 5 p.m. in October.
10 a.m. till 5.30 p.m. in March and September.
10 a.m. till 6 p.m. in April, May, June, July and August.
10 a.m. till 8 p.m. on Monday and Saturday only, from 1st May to the middle of July.
10 a.m. till 7 p.m. on Monday and Saturday only, from the middle of July to the end of August.

Persons are admitted daily to study in these Departments from 10 till 4 o'clock.

British Museum (Natural History), 30 March 1895. *W. H. Flower*, Director.

VIII.—General Progress at the Museum, Bloomsbury.

For some time negotiations have been in progress for the purchase by the Trustees of the British Museum from His Grace the Duke of Bedford of the houses and gardens immediately contiguous to the Museum premises on the east, north, west, and south-west. The houses number sixty-nine, and the ground measures five and a-half acres. A bill for the purchase for the sum of 200,000*l.* passed through Parliament and received the Royal Assent in the last Session. The purchase will be completed forthwith.

There has been a satisfactory increase in the number of visitors to the Museum in the past year, the total being 578,977, which exceeds the number of visitors in any of the preceding five years. This increase is chiefly due to day visitors; but, at the same time, the number of evening visitors, though much below the average, has slightly recovered during the year.

The conversion of the old Coin and Medal Room into a room for the exhibition of Gold Ornaments and Engraved Gems has been completed, and the transfer and re-arrangement of these collections has been commenced.

A selection from the collection of drawings and engravings by Old Masters, which was deposited with the Trustees of the British Museum by the heirs and executors of the late John Malcolm, Esq., of Poltalloch, has been exhibited, side by side with examples from the Museum collection, in the Department of Prints and Drawings.

Progress has been made in extending and improving the labelling of the exhibits in the several Departments of the Museum.

The number of persons using the Reading Room during the year 1894 is the highest on record, the total number of visits having been 202,973, a daily average of 670.

The average numbers of persons in the room counted at certain hours in the afternoon have been:—

4 P.M.	5 P.M.	6 P.M.	6.30 P.M.	7 P.M.	7.30 P.M.
363	283	186	126	141	96

The number of volumes supplied to readers was 1,470,191, as against 1,402,815 in 1893.

There

There has also been an increase in the numbers of visits of students to the several Departments, with one trifling exception.

Presentations of Museum publications, including reproductions of prints and drawings by Old Masters and casts of antique gems, have been made to Free Public Libraries, Local Museums, and Art Schools throughout the United Kingdom.

The excavations undertaken on the site of Amathus in Cyprus with means placed at the disposal of the Trustees by the bequest of the late Miss Emma T. Turner, resulted in the discovery of many rare and interesting antiquities, including sepulchral stelæ of an unusual character, vases, and terra-cottas, glass, engraved gems, and jewellery of good workmanship. Excavations are now in progress on the ancient site of Curium.

Among the principal donations of the year are the following:—

From the Egypt Exploration Fund, scenes painted on limestone from the walls of tombs of the twelfth dynasty at El-bersheh in Upper Egypt; and a fine bronze statuette of the goddess Bast.

From Lieutenant-Colonel Allan Cunningham, R.E., and the other heirs of the late Major-General Sir Alexander Cunningham, R.E., K.C.I.E., a very extensive and valuable collection of Hindu coins, formed by Sir Alexander Cunningham.

From Sir A. Wollaston Franks, K.C.B., a prayer-book, believed to have belonged to Queen Elizabeth, in a solid binding of gold, of English workmanship, enamelled with Scriptural subjects.

From His Imperial Majesty the Sultan, a large collection of Turkish books, in general literature, published in Constantinople during his reign.

The following are the publications issued by the Departments at Bloomsbury during the year:—

Continuation of the General Catalogue of the Library, folio, 22 parts, viz.:—Luther (Martin); Peter-Petrucius; Petrus-Philamundus; Philana-Phlogos; Phöbe-Pigmento; Pigna-Pirchinger; Pirckheimer-Platnerus; Plato-Plueer; Pluemeran-Poland; Polanen-Popayanez; Pope-Porthmann; Porti-Poultry-Yard; Poumairac-Présomptions; Press-Prinn; Prins-Protestants; Puenjer-Pz; Q-Qwist; R-Ragwaldi; Rahab-Rapp; Rappæus-Reaktion; Real-Reglin; Remarquable-Revoire.

Catalogue of Accessions to the Library, folio, 26 parts.

Facsimile of the Papyrus of Ani, the Book of the Dead; 37 plates. Second edition.

Catalogue of Cuneiform Tablets in the Kouyunjik Collection, by C. Bezold. Vol. III.

Catalogue of the Greek Coins in the British Museum :— Troas, Aeolis and Lesbos, by W. W. Wroth.

Designs from Greek Vases in the British Museum.

Supplement to the Catalogue of the Arabic Manuscripts in the British Museum, by C. Rieu.

Catalogue of the Arabic Books in the British Museum, by A. G. Ellis. Vol. I.

Supplement to the Catalogue of Hebrew Books in the British Museum, by S. van Straalen.

Catalogue of the Hindi, Panjabi, Sindhi, and Pushtu Printed Books in the British Museum, by J. F. Blumhardt.

Catalogue of Seals in the Department of Manuscripts in the British Museum, by W. de G. Birch. Vol. III.

Miniatures and Borders from the Sforza Book of Hours. 65 plates.

Reproductions of Drawings by Old Masters. Part IV.

Guide to an Exhibition of Drawings and Sketches by the Old Masters, principally from the Malcolm Collection.

British Museum,
30 March 1895.

E. Maunde Thompson,
Principal Librarian and Secretary.

IX.—PROGRESS made in the ARRANGEMENT AND CATALOGUING OF COLLECTIONS, AND ADDITIONS MADE TO THEM, in the Year 1894. (Bloomsbury.)

DEPARTMENT OF PRINTED BOOKS.

I. *Arrangement.*—The works added to the collection during the past year have, as far as possible, been placed on the shelves of the Library according to the system of classification adopted in the Museum.

The press-marks, indicating their respective localities, have been marked on the inside and affixed to the back of each volume; also on the title-slips.

The total number of these press-marks amounts to 89,390; in addition to which 42,149 press-marks have been altered, in consequence of changes and re-arrangements carried out in the Library; 33,321 labels have been affixed to books and volumes of newspapers, and 75,892 obliterated labels have been renewed.

The process of attaching third-marks to the books in the New Library, with the view of accelerating their delivery to readers, has been continued; 12,356 books have been thus marked during the year, and the corresponding alterations, amounting to 49,947, have been carried out in the General and Hand Catalogues; 2,025 volumes of country newspapers have also been numbered, and for London and country newspapers 4,382 index-slips have been written.

The number of stamps impressed upon articles received has been 391,651.

About 3,300 presses of books and newspapers have been dusted in the course of the year.

II. *Catalogues.*—(*a.*) *Cataloguing.*—59,351 titles have been written (the term "title" applying equally to a main title and to a cross reference). Of these, 47,254 were written for the General Catalogue, 2,611 for the Map Catalogue, and 9,486 for the Music Catalogue.

(*b.*) *Printing.*—43,795 titles and 477 index-titles for the General Catalogue, 2,039 titles for the Map Catalogue, and 17,868 titles for the Music Catalogue have been prepared for printing during the year, upon the plan announced in the Statement of Progress for 1879; and 43,652 title-slips and 590 index-slips for the General Catalogue, 3,905 title-slips for the Map Catalogue, and 17,868 title-slips for the Music Catalogue were printed off.

Progress has also been made in printing the whole Catalogue in alphabetical sequence from the beginning. With

the exception of the headings "England," "France," "Germany," "Great Britain," and "Liturgies," and part of the heading "Bible," the Catalogue, at the end of 1894, was either printed or at press as far as the heading "Ritter."

One hundred and seventy manuscript volumes have been sent to press during the year, and 22 printed parts, representing 182 manuscript volumes, have been delivered by the printer.

(*c.*) *Incorporation.*—(1.) *General Catalogue.*—42,983 title-slips and 877 index-slips have been incorporated into each of three copies of this Catalogue. This incorporation has rendered it necessary, in order to maintain, so far as possible, the alphabetical arrangement, to remove and re-insert 24,416 title-slips in each copy, and to add to each copy 192 new leaves; while, in the preparation of the manuscript volumes for printing, it has been necessary to remove and re-insert 36,099 title-slips in one copy only, and to add thereto 150 new leaves.

The system of fortnightly incorporation, introduced in 1889, and described in the Annual Report for that year, has been carried out with perfect regularity during the past year.

(2.) *Hand-Catalogues.*—The number of new entries made in the Hand-Catalogue of "Academies" was 248; in that of "Periodical Publications," 474; in that of Maps and Charts, 1,850; and in the Hand-Catalogues of London and Country Newspapers, 584, and 3,798 respectively.

(*d.*) *Map Catalogue.*—2,611 titles have been written for the Map Catalogue, and 2,872 title-slips have been incorporated into each of three copies of it. This incorporation has rendered it necessary to remove and re-insert 3,779 title-slips in each copy, and to add to each copy 68 new leaves.

(*e.*) *Music Catalogue.*—9,486 titles have been written for the Music Catalogue, and 8,078 title-slips have been incorporated into each of two copies of it. This incorporation has rendered it necessary to remove and re-insert 5,311 title-slips in each copy, and to add to each copy 88 new leaves.

(*f.*) *Shelf Catalogue.*—For this Catalogue, in which the title-slips, mounted on cartridge-paper, are arranged in order of press-marks, 76,130 have been so mounted, and 151,850 have been incorporated into the boxes.

(*g.*) *Catalogues of Books of Reference in the Reading Room.*—The additions and alterations in each of the three interleaved copies of the Catalogue of Books of Reference in the Reading Room, which are requisite in order to record the changes

changes in this collection by the addition of new works, and the exchange of old for new editions, have been made. The number of additions to each copy has been 135.

The collection of books in the galleries of the Reading Room has continued to receive additions by the incorporation of new works of interest and importance, and the substitution of new for older editions. The number of additions to each of the two interleaved copies of the Catalogue of this collection has been 181.

III. *Binding.*—The number of volumes and sets of pamphlets sent to be bound in the course of the year has been 15,194, including 1,932 volumes of newspapers. In consequence of the frequent adoption of the plan of binding two or more volumes in one, the number of volumes returned has been 8,976; in addition to which 590 pamphlets have been separately bound. 406 volumes have been repaired at the binder's, besides which 5,129 volumes have been repaired in the Library, and 1,317 broadsides, sheets, &c., have been inserted into guard-books, the plan, tried towards the end of 1892, of effecting the slighter repairs in the Library itself having been continued and extended. A further alteration has been introduced in the method of binding time-tables, reports, &c., &c., such as are not likely to be in frequent demand. Sets of these are temporarily bound in a light form, only being stitched together when necessary. 774 volumes have been thus formed between July and December last. This work also is done in the Library; and considerable economy, besides much greater rapidity in execution, results from the system.

The following maps, charts, &c., have also been bound or mounted during the year:—46 atlases, 11 volumes of the Ordnance Survey of towns, 74 volumes of the 25-inch Ordnance Survey and 4 volumes of the 6-inch Ordnance Survey have been bound; 82 sheets of the 1-inch (and under) Ordnance Survey, 52 sheets of the 1-inch Geological Survey, 86 sheets of the English Admiralty charts, 590 sheets of the "Carte de la France," scale 1-100,000, and 262 general maps, &c., have been mounted on jaconet, and 503 maps, &c., mounted on cards.

IV. *Reading Room Service.*—The number of volumes returned to the General Library from use in the Reading Room has been 952,405; to the Royal Library, 21,157; to the Grenville Library, 1,328; to the Map Room, 3,342; to the presses in which books are kept from day to day for the use of readers, 488,206; and to the Oriental Department 3,753; making a total amount of 1,470,191 volumes supplied to readers during the year. The number of readers during the year has been 202,973, giving an average of about 670

daily, the room having been open on 303 days; and an average of over seven volumes daily for each reader, not reckoning those taken from the shelves of the Reading Room by the readers themselves.

Newspaper Room.—The total number of readers during the year has been 15,394, giving a daily average of 50. The number of volumes replaced after use was 42,110, giving a daily average of nearly three volumes to each reader, not reckoning those, chiefly Parliamentary Papers, taken from the shelves of the Newspaper Reading Room by readers themselves.

Map Room.—278 visitors have been admitted to the Map Room for the purpose of special geographical research.

V. *Additions.*—(*a.*) 38,378 volumes and pamphlets (including 79 atlases, &c., and 1,680 books of music) have been added to the Library in the course of the year, of which 7,787 were presented; 13,430 received in pursuance of the laws of English copyright; 880 by international exchange; and 16,281 acquired by purchase.

(*b.*) 61,917 parts of volumes (or separate numbers of periodical publications and of works in progress) have also been added, of which 1,887 were presented, 34,432 received in pursuance of the laws of English copyright, 171 by international exchange, and 25,427 acquired by purchase.

(*c.*) 981 maps, in 9,276 sheets, have been added to the collection in the course of the year, of which 416 maps, in 515 sheets, were presented; 294 maps, in 7,892 sheets, received under the provisions of the laws of English copyright, and 271 maps, in 869 sheets, acquired by purchase.

(*d.*) 5,316 pieces of music, each complete in itself, have been acquired by copyright during the year.

(*e.*) The number of newspapers published in the United Kingdom, received under the provisions of the Copyright Act during the past year, has been 2,828, comprising 166,911 single numbers; 990 of these newspapers were published in London and its suburbs; 1,443 in other parts of England and Wales and in the Channel Islands; 217 in Scotland, and 178 in Ireland; 15 volumes and 150 numbers of old newspapers, belonging to three different sets, have been purchased; 355 sets, containing 163,672 numbers of foreign and colonial newspapers, have been presented; and 85 sets, containing 20 volumes and 19,360 numbers of modern foreign and colonial newspapers, have been purchased.

(*f.*) The number of distinct works comprised in the 38,378 volumes and pamphlets, the 61,917 parts of volumes, the

981 maps and the 5,316 pieces of music already mentioned, amounts, as nearly as can be ascertained, to 37,674. Of these, 7,409 were presented, 16,215 acquired by English copyright, 448 by international exchange, and 13,602 by purchase.

(*g.*) 3,365 articles have been received in the department not included in the foregoing paragraphs, comprising broadsides, Parliamentary papers, and other miscellaneous items. The addition of this number to those already given produces a total of 113,228 articles received in the department in the course of the year.

Acquisitions of Special Interest.—The most remarkable acquisition made by the Department of Printed Books in the past year is the exceedingly important one of a considerable portion of the extraordinary collection of rare English books, chiefly of belles lettres, of the period of Elizabeth and James I., discovered in 1867 by Mr. C. Edmonds at Lamport Hall, Northamptonshire, the seat of Sir Charles Isham, Bart., where they had been laid aside and forgotten for probably not less than two centuries. Twenty-six of these books have now found a home in the British Museum, and form by far the most important acquisition in early English literature made for a very long time. Two are absolutely unique; "The Transformed Metamorphosis," a poem by Cyril Tourneur, the celebrated tragic poet, 1600; and "The Lamentations of Amintas for the death of Phillis" [by Thomas Watson] "paraphrastically translated out of Latine into English hexameters by Abraham Fraunce," 1596. Still more interesting, from the fame of the authors, although one other copy is known, is the first edition of Marlowe's translation of Musaeus' "Hero and Leander," as completed by Chapman, 1598. Bound up with this are two poems by Francis Sabie; "The Fisherman's Tale" and "Flora's Fortune," 1595, of which also but one other copy is known, and which are a sequel to the same author's "Pan's Pipe," already in the Museum. They are further remarkable as early examples of narrative poetry in blank verse. The following books also, so far as is hitherto known, exist in only one other copy:—Sabie's "Adam's Complaint," 1596; Tofte's "Laura," 1597; Henry Petowe's "Philochasander and Elanira," 1599; Nicholas Breton's "Bower of Delights," 1597; "No Whippinge nor Trippinge," 1601; "Old Madcappes New Gally-Maufray," 1602; and "Honest Counsaile," 1605; Hake's "Newes out of Powles Churchyarde," 1579; "Platoes Cap," 1604; Anton's "Moriomachia, 1613; Thomas Edwards' "Cephalus and Procris," printed with his "Narcissus"; and Robert Southwell's "A Fourefold Meditation of the foure last things." The last two unfortunately are mere fragments in the Isham copies. Of books of which two other

copies are known, the Museum has acquired Nicholas Breton's "Merrie dialogue betwixt the Taker and Mistaker," 1603; "The Whipper of the Satyre his penance in a white sheete," 1601, attributed to Marston, the dramatic poet; Greene's "Arbasto," first edition, 1584; and an "Epicedion on Lady Helen Branch," 1594, subscribed W. Har., and remarkable for containing an allusion to Shakespeare's "Lucrece." Of Guilpin's "Skialetheia," 1598, three other copies are known.

Apart from this extraordinary acquisition, the department of early English literature has received some very valuable accessions during the past year. Two books are absolutely unique: (1) John Heywood's "Two hundred Epigrammes upon two hundred proverbes, with a thyrde hundred newly added," London, 1555; a hitherto unknown edition, proving that Heywood's Epigrams were published apart from his Proverbs, and apparently more than once: (2) A "Manumission to a Manuduction," Leyden, 1615, by John Robinson, the chief promoter of the colonisation of Massachusetts by the Pilgrim Fathers. This tract has not hitherto been included in Robinson's collected works, as no copy could be met with. Scarcely less interesting are Bishop Fisher's Sermon on Quinquagesima Sunday, 1525, directed against the Reformers; and one of the two original editions, whether the first or the second is uncertain, of Raleigh's "Discovery of Guiana," 1594. To these may be added: Kennedy, "Theological Epitome or Divine Compend," Edinburgh, 1629; Mynshull, "Essay and Character of a Prison and Prisoners," 1613; Boemus, "Omnium gentium mores, leges," etc., translated by Edward Aston, 1611; "The Hollanders Declaration of the affairs of the East Indies," Amsterdam, 1622; and of a later period, a spurious continuation of the "Pilgrim's Progress" by J. Macintyre, 1682; Fuller's "Sermon of Contentment," 1650, exceedingly rare; and "Mr. Baxter Baptised in Bloud," 1675, a fiction apparently circulated to excite animosity against the Baptists.

In the scarce English literature of the nineteenth century, the most remarkable acquisitions have been: the first edition of Carlyle's "Sartor Resartus," issued privately in 1834, immediately after its appearance in Fraser's Magazine; Dickens's address at the Birmingham Polytechnic Institute, 1844; and three very rare productions of R. L. Stevenson; his first printed work, "The Pentland Rising," Edinburgh, 1866; the Edinburgh Magazine, 1871, with his contributions; and the original edition, printed at Sydney, of his tract on Father Damien.

The chief acquisition in Bibles is a very important one, being a splendid copy of the rare fourth German Bible, printed by Johann Sensenschmidt and Andreas Frisner at Nuremberg, about 1475. This is one of the three rarest editions of the sixteen pre-Lutheran German Bibles, and is of more

more importance than any other except the first, having appeared with a greatly improved text which was followed in later editions. The Dutch Old Testament of 1518, the Strasburg New Testament of 1522, the Geneva New Testament of 1553, and an English New Testament of 1578, are also valuable accessions to the collection of Bibles.

The acquisition of the fourth German Bible is paralleled by that of a Liturgy belonging to a group of special interest alike for their extreme rarity and their influence upon the English Liturgy, but until now entirely unrepresented in the Museum. This is the group of the seven editions of the first recension of the Quignon Breviary, all published between February 1535 and July 1536, and so completely obliterated by the second recension, of which upwards of seventy editions were published previous to its suppression by Pius V., that copies of any of them belong to the greatest rarities of liturgical literature, and are almost confined to public libraries. The copy acquired by the Museum is of the second edition, Venice, 1535. No other copy of this is known except that in the possession of Dr. Wickham Legg, and used by him in the reprint of the Breviary executed at the expense of the University of Cambridge; and even this wants a sheet, while the Museum copy is perfect. On the same occasion was purchased a service-book believed to be unique, the *Vigiliae Defunctorum* of the Church of Cologne, printed on vellum at Cologne by Ludwig von Renchen about 1485. Important acquisitions have also been made in the Breviary of the Church of Braga, Salamanca, 1511, the only one of Portuguese use ever printed; and a Greek Horologium, Zanetti, Venice, 1546, unknown to Legrand.

Three of the purchases in general literature are of very special interest:—

1. The second edition of Boccaccio's Decameron, printed at Mantua by Georg and Paul de Butzbach for Petrus Adam de Michaelibus. Only five copies are known, and one of these, the Althorp copy, is very imperfect. This, like the copy of the *editio princeps* recently acquired by the Museum, was in the Sunderland library. It is one of the first two books printed at Mantua.

2. The "Cent Nouvelles Nouvelles," printed at Paris for Antoine Vérard between 1480 and 1490, and differing from the edition of 1486. The Museum did not previously possess any early edition of this celebrated book.

3. A vellum copy of the index of Petrus de Bergamo to the works of St. Thomas Aquinas, Bologna, 1472; a valuable acquisition in every way, but especially interesting to the Museum, from its having been associated, as shown by the binding, with the Museum copy of the edition of St. Thomas' works printed at Rome in 1570, one of two copies of the

 largest

largest vellum book in the world, presented in 1880 by Mr. Coventry Patmore.

Among other purchases of foreign books of special rarity and interest may be mentioned: Plautus, Bononiæ, 1500; Onser liever vrouwen Souter, 1520; Margarita Evangelica, Utrecht, 1525; Eulenspiegel, Ingolstadt, 1544, the only copy known; four early Spanish romances, Tristan de Leonis, Valladolid, 1501, undescribed; Historia de Enrique, Seville, 1501, the only copy known; Clarian de Landanis, part 2, Seville, 1535; Pierre de Provence, Burgos, 1562; also the second edition of the second part of Don Quixote, Brussels, 1616; Libro overo Cronicha di tutte le guerre d'Italia, Venice, 1522; Alvisio Acilio, Vero tempio d'Amore, Allife, 1536; Massorillus, Aureum sacrorum hymnorum opus, Fulgineæ, 1547; L'oraison et remonstrance de haulte et puissante dame Marie [Anne] de Cleves, a declamation composed in her name by Jean de Luxembourg, Abbot of Ivry, and printed at his private press at La Rivou, about 1545; Articuli contra Cardinalem Moronum, 1558, containing the exact text of the charges upon which this famous Cardinal was imprisoned by Pope Paul IV.; Calvin, De vitandis superstitionibus, Geneva, 1550; Seclucyan, Catechismus, Königsberg, 1568; Porthaise, Parasceve générale, Poitiers, 1602; Diogo Bernardes, Flores da Lima, Lisbon, 1597, first edition; Satyres sur les femmes bourgeoises [1713]; Tansillo, Il Podere, Bodoni, Parma 1806, an unique copy printed on vellum for General Junot; 34 modern reprints of French miracle plays on vellum; Papanti, Novelline popolari, Livorno 1877, printed on kidskin vellum; a modern English translation of Rulandus' Lexicon of Alchemy, of which six copies only were printed; the official gazette of Don Carlos during the Spanish Civil War, printed at the Carlist headquarters at Onate from 1835 to 1837; "The Liberal and New Dispensation," the official journal of the Brahmo Somaj, Calcutta; Bradshaw's Railway Guide for October 1839, the first issue in book form.

The most important of several interesting collections which have been acquired during the year is one of upwards of 1,200 papal Bulls and other public documents of the 16th and 17th centuries, recently purchased in Italy by the Earl of Crawford, and given by him in exchange for duplicate English broadsides. Between 300 and 400 documents of the latter class, mostly of the 17th and 18th centuries, have also been added to the library. Other purchases of this description include a large number of legal papers relating to proceedings before the Edinburgh Law Courts; an extensive series of documents printed privately for the State prosecution of Mr. Parnell and others in 1879–80; proclamations and public notices officially issued in the City of Brunswick from 1600 to 1771; the general orders of Marshal Beresford to the Portuguese army, 1809 to 1823: and broadsides and caricatures

tures relating to General Boulanger. A highly interesting collection of tracts on Napoleon I., chiefly about 1814 and 1815, has been purchased; as also 21 volumes of miscellaneous excerpts by Henry Southgate, compiler of "Many Thoughts upon Many Things." Among curiosities, the first place is due to some very remarkable acquisitions connected with Charles I., one being a copy of the secret instructions to the commissioners appointed for raising a forced loan in 1626. No other printed copy is at present known to exist; and Mr. Gardiner, while writing his history of the time, was obliged to refer to a manuscript in the State Paper Office. The interest of this copy is much enhanced by its being addressed to the county of Nottingham, where Charles was destined to commence the civil war 16 years afterwards, and by its bearing his signature on the first page of the text. With this is to be mentioned a copy of the 1633 edition of Sternhold and Hopkins' Psalter, bound in silk richly embroidered with silver, with portraits of Charles and Henrietta Maria worked on the covers, and a bookmark with the motto, "Your captive King from prison bring"; it is enclosed in an embroidered silk sachet, and accompanied by a pair of richly worked kid gloves. The freshness of the objects, which are said to have belonged to Mrs. Osborn, one of Queen Henrietta's ladies in waiting, is surprising. Another acquisition connected in some measure with Charles I., is one of the seven extant Scriptural Harmonies, prepared by the Community of Little Gidding, another of which, executed for the King at his own request, was already in the Museum. This is also a Harmony of the Gospels, and is that described by Captain Acland-Troyte in the Transactions of the Society of Antiquaries, for December, 1888. It is of special interest from having been prepared and bound by Mary Collet herself, and from the peculiarity of the binding.

Among books enriched with manuscript notes the most remarkable are the copy of Gibbon's "Decline and Fall," given by him to his friend M. Sévéry, of Lausanne, with several highly interesting notes in Gibbon's handwriting near the beginning; the copy of Southey's "History of Brazil," given by him to Coleridge, with the autographs of both, and marginal notes by Coleridge in the first volume; the American edition of Tennyson's "Maud," 1855, with the last stanza of the poem as now printed, which did not exist in the earlier editions, in the poet's handwriting, and preceded by the commencements of two cancelled versions, proving that it was there written down for the first time; Pignatelli, "Quanto più alletti la bellezza dell' anima," etc., Rome, 1680, the copy of Queen Christina of Sweden, to whom it was dedicated, with copious and highly characteristic notes in her handwriting; Bishop Squire's Inquiry into the foundation of the English Constitution, with copious manuscript additions for a second

 edition,

edition, which was not published. Another remarkable curiosity is the challenge of Mang von Hapsberg and others, in the name of Sigismund, Archduke of Austria, to Count Eberhard of Wurtemberg, with the latter's reply, printed in 1480.

Donations.—The Library has received as donations an extensive collection of colonial newspapers presented by the Colonial Office; and another in continuation of former annual donations, from the Royal Colonial Institute: The Sydney Atlas, 1844-46, a journal to which the late Robert Lowe, Viscount Sherbrooke, was a leading contributor, with manuscript notes by him; presented by Lady Sherbrooke: eight volumes of newspaper cuttings relating to the death of Pope Pius IX., presented by F. Justen, Esq.: Secretary Stanton's proclamation offering 100,000 dollars reward for the apprehension of the assassins of President Lincoln, presented by Colonel H. S. Olcott: proclamations and handbills issued during the Vienna revolution of 1848, presented by Lady Arthur Russell: and a large number of publications relating to Labour, presented by the Royal Labour Commissioners, in the course of whose proceedings they were collected.

Maps.—The principal accessions to the collection of maps have been the following: Recueil de Portulans, publié par Gabriel Marcel, Bibliothécaire à la Bibliothèque Nationale. (Section des Cartes). 2 Livraisons. Paris, [1890?] fol.; containing facsimiles of Mappemondes by Nicolas Desliens, 1566, and Jehan Cossin, 1570; of the "Portulan de Guillaume Soleri," 1385; and of the "Carte de Matteo Prunes," 1586; also of six sections from the "Atlas de Diego Homem," 1559.

Réproductions de Cartes et de Globes relatifs à la découverte de l'Amérique, du XVI.e au XVIII.e siècle; avec texte explicatif par G. Marcel. E. Leroux: Paris, 1893, fol. and 4°.

Facsimile of twelve segments for a small Terrestrial Globe, 4¼ inches in diameter. Probably designed (*circa* 1518) by Peter Apianus, Professor of Astronomy at Ingolstadt.

A series of eight large "Carte Storiche d'Italia, compilate dal Prof. Pietro Ravasio," G. B. Paravia, comp.: Torino, Roma, etc., 1894.

A Russian Map, in 4 sheets, of North-East China. Scale: 1 inch = 18½ English miles. By K. Weber. With alphabetical index. St. Petersburg and Vienna, 1892–94.

An English edition of the above map, in 4 sheets. L. Friederichsen & Co.: Hamburg [1894].

Music.—The accessions to the collection of Music have been more than usually important. The most valuable acquisition was a copy of the "Motetti de Passione," printed by Petrucci at Venice in 1503. Of this work, the sixth printed by Petrucci with his newly-invented types, only one other copy

copy is known to be in existence, and that wants the title-page and one other leaf. Another interesting book is the folio edition of Soriano's Masses (Rome, 1609), dedicated to Paul V.; a splendid specimen of Italian binding and typography, having the Pope's arms stamped on the covers. Three very valuable early Italian operas, formerly in the Borghese Library, have also been bought. They are: (1) "Dafne," by Mario da Gagliano (Florence, 1608); (2) "Diana Schernita," by Giacinto Cornachioli (Rome, 1629); and (3) "Strali d'Amore," by G. Boschetto Boschetti (Venice, 1618). Another interesting work, from the same library, is the "Diletto Spirituale" of Simone Verovio (Rome, 1586), which is generally considered the first music printed from engraved copper-plates. Copies of the "Intabolatura d'Organo di Recercari" of Jacques Buus (Venice, 1549), one of the earliest books of organ-music, the "Laudi Spirituali," of Fra Serafino Razzi (Venice, 1563), in a binding bearing the arms of Pope Clement XI., and a unique copy of the Second Book of Madrigals of Domenico da 'l Pane (Rome, 1678), are also among the more valuable musical accessions of the year.

R. Garnett.

Department of Manuscripts.

1. *Catalogue of Additions.*—The new sexennial Catalogue of Additions for the years 1888–1893 has passed through the press and will be issued forthwith.

The Additional MSS. 34,526–34,710, and Egerton MSS. 2791, 2792, acquired in the year 1894, have been described and indexed.

A volume containing sixty collotype plates of miniatures and borders in the beautiful "Sforza Book of Hours" (Add. MS. 34,294), presented to the Museum by the late John Malcolm, Esq., of Poltalloch, together with five plates from the "Sforziada" in the Grenville Library and an introduction, has been published.

2. *Catalogue of the Stowe MSS.*—The whole of the descriptions of MSS. and Charters have been completed, the printing is in progress, and sheets B—2 N have been sent to press. The Index is well advanced, and the Catalogue will be issued during the year 1895.

3. *Catalogue of the Royal MSS.*—A new catalogue is being prepared, and MSS. 1 A. i.—1 E. ix. (sixty-five MSS.) have been described.

4. *Catalogue of the Sloane MSS.*—The Index has been revised from Be to Co.

Sir Hans Sloane's own Correspondence, in 35 volumes (Sloane 4036–4069), has been re-arranged in strict chronological order.

5. *Catalogue of Papyri.*—One hundred and seventeen Papyri have been transcribed, and one hundred and nine descriptions of Papyri have been revised, for a second volume of the Catalogue.

6. *Catalogue of Seals.*—The Third Volume, containing the completion of the Heraldic Seals of England and Wales, has been issued.

Of the fourth volume, containing descriptions and plates of Scottish Seals, sheets B—Z have been sent to the printer, and ten plates have been revised for press.

Three hundred and ninety-five detached seals and casts have been arranged and registered.

7. *Catalogue of Romances.*—Descriptions of Exempla and Moralised Tales belonging to the first section of the third volume, in nine MSS., have been drawn up.

8. *Catalogue of Music.*—Articles contained in forty-three MSS. have been described. The Index of the MS. Catalogues of Music has been arranged.

9. *Catalogue of Charters and Rolls.*—The final revision for the press of the General Index of names and subjects in the several collections of Charters and Rolls, acquired before the year 1882, is in progress.

The slips relating to places are being separated from those relating to persons and subjects, with a view to their being printed in a volume by themselves.

1894 Additional Charters and Rolls (39,996–41,889) and Egerton Charter 619 acquired during the year 1894 have been docketed, numbered and arranged in boxes.

Additional Charters and Rolls 34,279–34,993, acquired in 1888, and 38,483–38,912, 39,039–39,044, and 39,942–39,995, acquired in 1893, and 39,996–40,223, acquired in 1894, have been described; and Egerton Ch. 590–618, acquired in 1893, and Egerton Ch. 619, acquired in 1894, have been described.

10. *Classed Catalogue.*—The descriptions of the acquisitions in the six years 1888–1893 have been incorporated.

11. *Arrangement of Papers.*—Additional MSS. 34,567–34,582; 34,583–34,598; 34,599–34,601; 34,611–34,631; 34,634–34,647; 34,703–34,708, acquired during the year, have been arranged.

12. *Exhibitions.*—A new edition of the Departmental Guide has been published, opportunity being taken to re-arrange

arrange some sections of the documents exhibited, and substantial additions to them have been made.

An exhibition of MSS. and other memorials of Gibbon the historian has been arranged in the King's Library.

13. *Binding.*—One hundred and thirty-one Additional, and eleven Egerton MSS., newly acquired, and one hundred and twenty-nine MSS. of the old collections, have been bound or repaired.

Two hundred and twenty-five Stowe MSS. and Charters have been bound, repaired, or lettered.

Three hundred and eighty-four Charters, Rolls, and Seals have been repaired.

Sixty-eight Papyri have been mounted and glazed.

Fifty Catalogues and Registers and thirty-nine Printed Books have been bound.

14. *Verification.*—The several collections of Manuscripts and the Additional and Harley Charters have been verified by the shelf-lists.

15. *Stamping, folioing and placing.*—One hundred and five Additional and four Egerton MSS. have been placed and entered in the hand-lists and shelf-lists.

Eighteen hundred and ninety-five Charters and Rolls, and three hundred and ninety-five detached Seals and Casts of Seals, have been numbered and placed.

One hundred and twenty-four MSS., one hundred and forty-nine Printed Books, and three thousand two hundred and sixty-six Charters and Rolls have been stamped, with a total of 9,785 impressions.

Two hundred and sixty-one MSS. have been folio'd, with a total of 44,037 folios.

16. *Hand and Shelf-Lists.*—The following have been made:—An inventory of Charters; Hand-Lists for the King's MSS., and the Harley Charters and Rolls; Hand and Shelf-Lists of the Stowe MSS.; and a new Shelf-List for the Papyri.

17. *Consultation of MSS.*—The number of MSS. consulted in the Students' Room attached to the Department is 27,769, and of those delivered in the Reading Room 1,100.

The number of Charters and Rolls consulted by Students is 2,993.

The number of Students working in the Department during the year is 9,610.

18. *Books of Reference.*—One hundred and fifty-seven newly-acquired volumes have been catalogued, and the revision of the Catalogue is in progress.

19. *Acquisitions.*—The number of Manuscripts and Documents acquired during the year are :—

General Collections of MSS.	183
Rolls and Charters	1,894
Detached Seals and Casts	395
Papyri	24
Egerton MSS.	2
Egerton Charter	1

Among them are :—

A number of documents of the 2nd to 4th centuries, written in Greek, on papyrus, many of them with precise dates.

A fragment of a Græco-Latin Glossary, on papyrus, of the 4th century.

A Latin document, on papyrus, of the 2nd century. *Presented by Prof. W. M. Flinders Petrie.*

Nine leaves of a Greek Psalter, on vellum, written in rough uncials, of about the 8th century.

Orations of St. Gregory Nazianzen, in Greek, 11th–12th century. Vellum.

Collection of fragments of manuscripts, 11th–14th centuries, including leaves of a copy of the Anglo-Saxon Chronicle, and of a volume of Anglo-Saxon Homilies. Vellum.

Lives of Saints, theological tracts, and tales, in Greek; 16th century.

Commentary on the books of Tobias, Judith, and the Twelve Prophets, in Latin, by Archbishop Stephen Langton, with Lives of St. Milburg and St. Margaret, etc.; 13th century. Vellum.

Bartholomæus Anglicus de proprietatibus rerum; 14th century. Vellum. Written in England; with illuminated initial and border. In German stamped-leather binding, of the 16th century.

Missal of the Church of St. Valery, in the north of France, in Latin, with finely illuminated initials, enclosing miniatures; 14th century. Vellum.

Missal of the church of Tarragona in Valencia, in Latin; dated A.D. 1477. With two full-page miniatures, and finely illuminated borders and initials of Italian style. Vellum. In Spanish binding of tooled leather.

Astrological Manual, in Latin, compiled by Marcus Schynagel, of Cracow University, about A.D. 1500.

Petition from merchants of Exeter to Henry VIII. against their ill-treatment in Spain, with a "carta executoria" of the Emperor Charles V.; 1541, 1545. Vellum.

Transcripts by Sir Henry Bedingfield of his correspondence with Queen Mary and the Privy Council, concerning his custody of the Lady Elizabeth, with the Queen's instructions, and other original papers; 1554–1558.

"Offices

"Offices and Orders in Warfare," and "A declaration of certeyn orders of battayles": two treatises elsewhere attributed to Sir Robert Constable, 1576-1578.

Contemporary copies of letters from the Privy Council, the Lord High Admiral, etc., relating to the defence of the East Coast, and especially to the ships furnished by the Suffolk ports; 1595–1599.

Political and Private Correspondence of Sir Richard Browne, English Resident at Paris 1641–1660; consisting mainly of letters to his son-in-law, John Evelyn, his daughter Mary, Evelyn's wife, and Sir G. Radcliffe, 1621–1683.

Letter of Charles I. to R. Browne, 1643; warrants of Charles II., 1673-77; fifteen letters from Sir Robert Harley, Secretary of State, to the English Envoy in Sweden, 1704–1707; and letters of W. Pitt, Lord Nelson, etc., 1775–1799. *Presented by Hugh Galbraith Reid, Esq.*, F.S.A.

Correspondence and papers of Cardinal Henry Benedict Stuart, styled Duke of York, including letters from and to his brother, the Pretender Charles Edward Stuart, and others of his family; 1754–1807. Fourteen volumes.

Correspondence and papers of Sir Robert Palk, Governor of Bombay (including letters of Warren Hastings); 1759–1789. Four volumes.

Original letters addressed by British Officers present at the battle of Waterloo to Captain W. Siborne, in connection with his "model" of the battle; 1834–1848. With a few earlier letters, from 1815. Six volumes.

Account, by a naval surgeon present, of the Emperor Napoleon's surrender to the Captain of H.M.S. Bellerophon; 1815.

Insurance freight books kept at Lloyd's by John Janson during the war with France; 1805–1810, 1815. Eight volumes. *Presented by J. T. Danson, Esq.*

Literary and other Correspondence of Sir Henry Spelman, the antiquary; 1600–1641. Three volumes.

Religious dialogues at Little Gidding between John Ferrar, his sister Susanna Collet, and her children, with other matter, apparently in the hand of Mary or Anne Collet; 17th cent. Three volumes. In Little Gidding binding, of black leather.

Life of Nicholas Ferrar, of Little Gidding, being an abridgement of the Life by Bishop Francis Turner; 18th cent.

"The Bramine's Journal," an autograph Diary of Laurence Sterne, 13 Apr. to Aug. 1767, written for Mrs. Eliza Draper, of Bombay, the "Eliza" of his Sentimental Journey. With three original letters of Sterne, one from Eliza Draper after his death, and two from W. M. Thackeray on his character. *Bequeathed by T. W. Gibbs, Esq., of Bath.*

Volume of Letters addressed to Rev. Philip Morant, of Colchester, on the subject of his "History of Essex"; 1739–1768.

Correspondence and papers of Samuel Butler, D.D., Head-

master of Shrewsbury Grammar School, afterwards Bishop of Lichfield; 1764–1839. Sixteen volumes. *Presented by S. E. Butler, Esq.*

Correspondence and papers of Professor Macvey Napier, as editor of the "Encyclopaedia Britannica" and "Edinburgh Review," including letters of Sir W. Scott, Macaulay, Brougham, Thackeray, Dickens, Bulwer-Lytton, Jeffrey, Dr. Thomas Young, Brewster, Hallam, J. S. Mill, and many others, together with original articles for the "Review" by Brougham, Macaulay, Lords Jeffrey and Cockburn, Lord J. Russell, and Adam Sedgwick; 1805-1847. Twenty-one volumes.

Literary and general correspondence of Rev. Philip Bliss, D.C.L., Principal of St. Mary Hall, Keeper of the Archives and Registrar of the University, Oxford; 1806–1857. Sixteen volumes.

Letters from David Ricardo, the political economist, to J. R. McCulloch, on currency, the corn-laws, population, etc.; 1816–1823. *Presented by Hugh Galbraith Reid, Esq.*, F.S.A.

Twenty letters of Jeremy Bentham to John Tyrrell, of Lincoln's Inn, on projects of legal reform; 1829–1831.

Diaries of C. B. Vignoles, F.R.S., Civil Engineer, during the progress of the various railways and other engineering works with which he was connected; 1834-1862. Twenty-seven volumes. *Presented by his son, Rev. O. J. Vignoles.*

"The Lynnburn," an autograph poem, by Sir Henry Taylor. *Presented by his daughter, Miss Una Taylor.*

Eleven deeds relating to Chester and the neighbourhood; 13th–15th centt.

Thirty-nine deeds relating to co. Suffolk; 13th–15th centt. *Presented by Max Rosenheim, Esq.*

One hundred and fifteen deeds relating to the Hungerford family; 13th–16th centt.

Four hundred and twenty-five deeds relating chiefly to Tottenham, co. Middlesex, and to London; 13th–16th centt.

Six hundred and twenty-one deeds relating to Ludlow, and to cos. Hereford, Salop, and Montgomery; 13th–17th centt.

One hundred and eighty deeds relating to the Frecheville family; 13th–17th centt.

Papers relating chiefly to the family of Nevill of Holt, co. Leicester; 13th–18th centt. Six volumes. With 259 deeds, from the 13th cent., relating to the same.

Register and accompts of Sibton Abbey, co. Suffolk; 14th cent. Vellum.

Two hundred and seventeen deeds relating to cos. Essex, Kent, Sussex, and other counties; 14th–17th centt.

Ninety-two deeds relating to Dunwich, co. Suffolk, and the vicinity; 14th–17th centt.

Miscellaneous papers relating to cos. Kent, Stafford, etc.; 1335–1728.

Papers relating to cos. Kent and Southampton; 14th–19th centt.

Rental of Farnham Manor, co. Suffolk, belonging to Bury St. Edmund's Abbey; 15th cent. Vellum.

Original register of the now submerged parish-church of St. Peter's, Dunwich, co. Suffolk; 1537–1657.

Accompt-book and Ordinary of the Guild of Bakers at York; 1584–1836. Two volumes.

Original papers relating to Tutbury Castle and Honour and to Needwood Forest, co. Stafford; 1588–1683.

Rental of Lawford Mall Manor, co. Essex, belonging to Edward Waldegrave; 1604.

Original Accompts of the churchwardens of Sidbury, co. Devon; 1618-1725.

Law-book of Sir A. Crowley's ironworks at Winlaton-on-Tyne, co. Durham; 1696–1815.

Transcript of the Roman Catholic register of births, marriages, etc., at Holt, or Nevill-Holt, co. Leicester; 1772–1854. *Presented by the Rev. C. F. R. Palmer.*

List of Knights-Bachelors in co. Durham, *tempp.* Eliz.–Victoria; by Sir C. Sharp.

Abstracts of Wills and Letters of Administration in Devon, Cornwall, and various other English counties, by Col. J. L. Vivian; 19th cent. Seven volumes.

One hundred and thirty-five original impressions and casts of royal, ecclesiastical, local, heraldic, and miscellaneous seals; 13th–18th centt.

One hundred and eleven casts of Scottish, episcopal, borough and heraldic seals. *Presented by H. A. Rye, Esq.*

Original impression of the seal of St. Cuthbert's, Durham; with a fine ancient gem on the reverse. *Presented by Sir A. W. Franks,* K.C.B.

Ninety-five casts of seals attached to deeds belonging to the Dean and Chapter of Westminster.

Collections of Thomas Dodd, relating to engravers and their works; 18th cent. Four volumes.

French-Basque Dictionary, A—O, compiled in 1853–1862, by Capt. Duvoisin. Three volumes.

Musical pieces by Jacob Obrecht and Joachim Steuerlein; 17th cent.

Unpublished musical pieces by Blow and Purcell; 18th cent.

Motets by Palestrina, Anerio, and others; 18th–19th centt.

Five organ fugues in score by Thomas Adams; 1814. *Presented by William Barclay Squire, Esq.*

Autograph Trio by Carl Maria von Weber; 1819.

Autograph Musical Compositions of Sir W. G. Cusins, Master of the Music to the Queen; 19th century. Eight volumes. *Presented by his widow.*

Edward Scott.

Department of Oriental Printed Books and Manuscripts.

Cataloguing and Arrangement.

Printing.—The following catalogues were published in the course of 1894: The catalogue of Hindi, Panjabi, Sindhi, and Pushtu Books; the supplement to the catalogue of Arabic MSS.; the first volume of the catalogue of Arabic books; and the Supplementary Catalogue of Hebrew Books.

The following are the numbers of the sheets of the various Oriental Catalogues which were sent for Press: Arabic Catalogue, 17½ sheets; Catalogue of Arabic MSS., 21 sheets; Gujarati Accessions, 8½ sheets; Hebrew Catalogue, 10 sheets; Hindustani Accessions, 6 sheets; Japanese Catalogue, 6 sheets; Marathi Accessions, 6 sheets; Oriya Catalogue, 5 sheets; Sanskrit Accessions, 8 sheets.

Cataloguing.—The following Titles were written for the several Catalogues: Arabic, 1676; Armenian, 135; Assamese, 15; Bengali, 319; Bhatkali, 3; Brahui, 5; Chinese, 241; Coptic, 7; Ethiopic, 10; Gujarati, 185; Hebrew, 1,344; Hindi, 190; Hindustani, 232; Japanese, 79; Kashmiri, 2; Maltese, 12; Marathi, 122; Mech, 3; Oriya, 415; Panjabi, 43; Persian, 151; Pushtu, 8; Samaritan, 1; Sanskrit, 359; Santali, 17; Sindhi, 41; Sinhalese, 48; Syriac, 300; Tamil, 14; and Turkish, 52.

One hundred and twenty-eight Hebrew MSS., 223 Persian MSS., and 158 Sanskrit and Pali MSS. were fully catalogued.

Short descriptions of 90 newly acquired MSS. were entered in the Descriptive List, and 145 were entered in the Classed Inventory. Thirty Hebrew MSS. were collated and examined, and considerable advance was made in the Catalogue of Coptic MSS.

Twenty five Printed Books and 100 MSS. were folioed.

Binding.—The following are the numbers of Printed Books and MSS. sent to the Binders during the year: Arabic 408; Chinese, 103; Hebrew, 87; Hindi, 23; Sanskrit, 151; MSS., 180.

Additions.—The number of works, both printed and in MS., added to the Department during the year was 3,134, of which 3,021 were Printed Books, and 113 were MSS.

Of the Printed Books 1,080 were bought, 1,400 were received under the Indian Copyright Act, 159 under the Colonial Copyright Acts, and 382 were presented.

Of

Of the MSS., of which a classified list is appended, 80 were bought and 33 were presented.

Arabic	16
Armenian	1
Bengali	12
Burmese	13
Coptic	6
Hebrew	14
Hindi	4
Japanese	4
Malayalam	1
Manipuri	1
Oriya	1
Pali	5
Pali-Burmese	10
Persian	18
Sanskrit	4
Sanskrit-Siamese	1
Sanskrit-Sinhalese	1
Shan	2
Siamese	1
Sinhalese	5
Syriac	1
Drawings of Indian Mythology	2
	113

The most important acquisitions for the year are as follows :—

Arabic MSS.—1. Two volumes of Saḥīḥ al-Bukhāri, with a Commentary by Shāriḥ al-Sunnah, 16th century, 4°.

2. Al-Muḥarrar al-Wajīz, a commentary upon the Koran, by 'Abd al-Ḥakk Ibn Atiyyah, who died A. H. 541, 15th century. 4°.

3. Nafḥ al-Ṭīb, a history of the Arabs of Spain, by al-Makḳari. A. H. 1135 (A.D. 1723). Large fol.

4. The eighth volume of the Iklīl of al-Hamdāni, a classical work on the history and geography of Arabia.

5. Maimonides's Commentary on the Mishnah of "Seder Nāshīm." Arabic in Hebrew character. Dated A.D. 1402.

6. A commentary by Ibn al-Ḥājib upon his own work on Arabic Syntax, entitled al-Kāfiyah. A fine copy partly vocalised. A. H. 717 (A.D. 1317). 8°.

7. A letter in Arabic from General Gordon, addressed from Khartum, to the Mudir of Dongola, Khartum, and Senaar, asking for news as to the relieving force. With a translation. Date illegible.

Arabic Books.—1. An account of the actions of Zubair Pasha Rahamah and his sons in the Sudan, by General Gordon, with a justification of his own proceedings against them. Khartum, 1879. 8°.

2. L'Alcoran de Mahomet. Translated by le Sieur du Ryer. First edition. Rare. Paris, 1647. 4°.

Armenian MS.—The "Yaysmawourkh," the Acta Sanctorum of the Armenian Church. Copied in the district of Ararat. A.D. 1603. Large fol.

Burmese MS.—An illustrated tale relating to events connected with the town of Kapilavastu. 19th cent.

Chinese Book.—The Kwanyin Sūtra, illustrated with wood engravings. This work is nearly a hundred years earlier than the print of St. Christopher (1423), which is the earliest dated block-print known in Europe. 1331. Oblong 8°.

Coptic MSS.—1. A complete letter on papyrus, containing a legal requisition (ἐντάγιον) referring to a financial pledge or undertaking (ἀσφάλεια). 8th to 10th century.

2. Eighteen fragments on papyrus of the Psalms in the Sa'idic dialect, a copy made in the 9th–10th century of a 6th century MS.

Corean Book.—The "Sam Kang hèng sil." Examples of the three cardinal objects of duty. Printed in Chinese and Corean with movable copper type by order of the Corean King Syé-chong. Illustrated with wood engravings. 1434. Fol.

Hebrew MSS.—1. A Persian translation of the Psalms, followed by several liturgical poems in the same language. Hebrew character. A.D. 1812. Sm. 4°.

2. Timsāl Nāmah, the story of the seven Vezirs, redacted by Rabbi Yehūdah; the legends of Eldad the Danite; Makhzan ul Pand, &c. 19th cent. Persian in the Hebrew character. 4°.

3. The Prince and the Sufi (*i.e.*, Barlaam and Josaphat) in Persian verse, and in the Hebrew character, followed by liturgical poems in Hebrew and Persian. A.D. 1812. Sm. 4°.

4. Bible stories in Persian verse by Molla Shāhīn. Hebrew character. 1702. 4°.

5. Dāniyāl Nāmah, or History of Daniel, by an author describing himself as Bukhājah Bukhara'i. Persian in the Hebrew character. 1816. Sm. 4°.

6. Kitāb ul-Usul, or Book of Roots, the Hebrew Dictionary of 'Abul Walīd Marwān ibn Janāḥ. Arabic in the Hebrew character. Probably 14th century. Fol.

7. A redaction

7. A redaction of the Midrash Ha-ḥefeṣ. Hebrew and Arabic. In the Hebrew character. 16th and 17th century. 4°

Hebrew Books.—1. The Pentateuch, Five Rolls and Haftarōth. Printed at Prague by Gershon b. Solomon, the founder of Hebrew printing in that city, in 1530. On vellum. Fol.

2. The Book of Exodus, with the Targum of Onkelos and the Commentaries of Rashi and Nahmanides, while the Arabic translation of Sa'adyah b. Joseph, Gaon, appears in MS. in the margin. On vellum. Salonica, 1520. Fol.

Japanese Books.—1. A large collection, consisting of upwards of 1,500 vols. of Japanese works of the highest interest on the native art, being especially rich in early illustrated volumes by the fathers of artistic wood-engraving in Japan.

2. A History of the Japanese Navy. 9 vols. 1889.

Manipuri MS.—The first MS. acquired by the Museum in the Manipuri character, with a description probably in the writing of Francis Buchanan, the traveller. Palm leaf. 18th century.

Pali MSS.—1. A complete MS. of the Tikapaṭṭhāna, an extensive work included in the Canon of the Southern Buddhists, and not yet edited. In the Burmese character. 19th century.

2. The Dhammamālā, a Pali work very little known. With a commentary in Burmese.

3. Yamaka, a Pali canonical text and not yet edited. A perfect copy, and as such, rare. 19th century.

Persian MSS.—1. Haft Paikar of Nizāmi; Persian in the Hebrew character. 18th century. 8°.

2. Divan of Hāfiz. In the Hebrew character; 1739. Small 4°.

3. Sharaf Nāmah, a history of the Kurds, by Sharaf Khān Bitlīsi. 19th century. Fol.

Sanskrit MS.—Prabandha-chintāmani, a history of Gujarat and of the Jain religion in that region, in the form of a compendium of 24 narratives in verse; 1775. 4°.

Sinhalese MS.—Saddharma-ratnāvaliya, by Dhammasena Yatissara. A collection of tales in Sinhalese prose designed to form a commentary on Buddhaghosa's Pali Dhammapada-atthavannanā. Palm leaves.

Turki MS.—Badā'i' ul-Wasat, a Divan by Nevā'i. 17th century.

Turkish Books.—A collection of 255 volumes published in Constantinople during the present reign, consisting of works of wide and general interest; together with 47 albums of photographs of objects of interest in and about Constantinople. *Presented by H.I.M. Sultan Abdul Hamid II.*

Indian Drawings.—Some finely executed Indian Drawings, chiefly connected with the cult of Vishnu. 17th century? Folio.

The number of Oriental Printed Books consulted by Readers during 1894 was 3,752, and the number of Oriental MSS. consulted during the same period, 3,092.

Robert K. Douglas.

Department of Prints and Drawings.

I.—Arrangement and Cataloguing.

An exhibition consisting of about 500 drawings by Old Masters, and 450 engravings of the early German and Italian schools, taken partly from the Malcolm and partly from the departmental collections, has been arranged in the wall and standard cases and swing frames in the public gallery. A guide to the drawings has been prepared and issued.

The Students' Room and Exhibition Gallery were closed for repainting from 12th August to 8th September; during that period the clerical work of the Department was carried on in the assistants' room and the corridor on the mezzanine floor, and students were admitted in special cases when it was possible to satisfy their wants.

The task of mounting and repairing the works of the founders of the art of mezzotint engraving, viz.:—L. von Siegen, Prince Rupert, T. C. von Fürstenberg, J. Thomas, A. Blooteling, W. Vaillant, B. Vaillant, J. van Somer, P. van Somer, J. Verkolje, N. Verkolje, and G. Valck, has been completed, and they have been arranged as a separate series in 19 royal and two imperial portfolios.

Albrecht Dürer's great woodcut of the Arch of Maximilian, in 92 sheets, has been joined and mounted on linen for exhibition.

The collection of drawings by Albrecht Dürer has been arranged according to the Keeper's printed catalogue.

The engravings belonging to the Malcolm collection have been carefully examined and compared with the examples in the Museum collection, and their condition noted.

The collection of Italian engravings and etchings of and posterior to the 16th century has been revised and re-arranged, references to Bartsch and other works being added and duplicates examined. The works of Agostino Carracci, Cherubino Alberti, and Battista Franco have been placed in separate portfolios, and many of the hitherto unidentified prints have been incorporated, the remainder being sorted and re-arranged.

The

The collection of Italian portraits has been revised and redistributed in new wrappers.

The Ford collection of prints after Correggio has been removed from the seven albums in which it has hitherto been preserved, and incorporated with the general series of prints after the Master, the whole being arranged in accordance with the catalogue in Meyer's "Künstler-Lexikon," in two portfolios. Many duplicates have been removed and distributed among the works of the several engravers.

The revision and re-arrangement of the general collection of prints after Italian Masters, which includes the removal of the reproductions of drawings, and their formation into a distinct class, has been commenced.

The collection of prints of ornament has been revised and re-arranged in accordance with information supplied by Dr. Jessen, Librarian of the Kunstgewerbe-Museum, Berlin.

The portfolios of Greek, Roman and Oriental portraits, and that of antiquities, have been re-arranged.

Ninety-five prints by Albrecht Dürer, forming the second and inferior set, have been removed from the album in which they were mounted, and placed with duplicates.

The collection of prints after Sir Joshua Reynolds, 1,056 in number, has been mounted in the albums, references to Hamilton and Chaloner Smith being added, and the prints marked off in an interleaved copy of Hamilton's catalogue.

The works of John Smith, Elisha Kirkall, and Jan Saenredam have been mounted in albums.

The collection of proof impressions of Turner's "England and Wales," presented by J. E. Taylor, Esq., has been sorted, classified and arranged in seven portfolios, and entered in detail in the MS. catalogue of the prints after Turner.

The work of examining the two collections of mounted and unmounted prints of costume, removing those required for the works of painters and engravers, and revising, classifying and indexing the remainder, has been commenced.

The preparation of a catalogue of the collection of English Portraits has been continued, and its transcription for press commenced.

The expanded index of artists of the French School, uniform with those of the Dutch, Flemish and German Schools already printed, has been completed and transcribed for press.

Two copies of the printed index of German artists have been cut up, mounted and bound, with full references inserted, so as to form the working index of the Department.

The preparation of an index of subjects represented by Italian, Dutch, Flemish and German artists of the early and Renaissance Schools has been completed.

A catalogue has been prepared of all the modern engravings printed in colours contained in the Department.

The preparation of a catalogue of all the English Mezzotints contained in the Department has been continued.

All books of prints and books of reference recently acquired have been indexed and placed.

Two hundred and eighty-five titles and cross-references have been inserted in the catalogue of books of reference.

The new chronological lists of English and foreign print-sale catalogues, with alphabetical indexes, have been completed and bound.

A working index to the collection of prints after Sir Edwin Landseer has been formed by marking off the prints and making additions in an interleaved copy of Graves's printed catalogue.

The transcription of entries in recent volumes of the Register on separate slips for painter, engraver, and subject has been continued.

One thousand eight hundred and thirty-six prints and drawings recently acquired have been incorporated with the collections to which they severally belong.

Six thousand six hundred and fifty-eight prints, drawings, etc., have been impressed with the departmental stamp and references to the Register.

Six hundred and one drawings and five hundred and ninety prints have been placed on sunk mounts, and six hundred and fifty-seven prints have been mounted in the ordinary manner.

Two thousand three hundred and forty-four items have been entered in the Register of Acquisitions.

The number of students and visitors admitted to the Print Room during the year ending 31st December 1894 was 5,705.

One hundred and ninety-nine applications were made for leave to photograph objects in the collection, and 1,032 photographs were taken.

II.—Additions.

The total number of prints, drawings, etc., acquired during the year was 4,886, of which the following are the most important :—

Italian School.

Drawings.

Sanzio, Raffaello (attributed to). The Virgin and Child; finished cartoon in black chalk, pricked for transfer to canvas. This is the celebrated cartoon formerly in the possession of J. B. Ceccomani, at Perugia, and afterwards successively in that of Mr. Cunningham and Colonel Stirling of Glentyan. A picture corresponding to it, formerly in the Orleans Gallery and now in England, is known from the names of its later possessors as the Hope, Rogers, or Mackintosh Madonna.

Engravings.

Calamatta, Luigi, and L. Lelli. The Defence of Rome in 1849; after T. de Belly; proof with scratched letters.

Prints arranged to illustrate the Works of Masters.

Rubio, Lodovico. Portrait of Prince Czartoriski; by A. Duncan; India proof. *Presented by Sir A. W. Franks,* K.C.B.

German School.

Drawings.

Holbein, Hans II. (after). The Triumph of Poverty; copy, attributed to F. Zuccaro, of the celebrated lost picture executed for the steelyard of the Hanse merchants in Thames Street; outlined in black with a brush, tinted with body colour and heightened with white. Formerly in Sir Peter Lely's collection.

Schrödl, Anton. View at Pinzgau; pencil, heightened with white and tinted.

Etchings.

Amman, Jobst. Arms of the Holzschuher family (Andresen 226).

Engravings.

Altdorfer, Albrecht. Cupid riding on a hobby horse, (B. 46). The Synagogue at Ratisbon (B. 63).

Bause, Johann Friedrich. "Rosetta," after C. Netscher; proof before letters.

Mansfeldt, Johann Ernst. Portrait of the Emperor Joseph II.; after F. Palko.

Master of the Monogram C. S. St. John writing the Apocalypse (P. II., 109. 3); impression from which the tablet with monogram has been erased.

Schultze, Christian Gottfried. Portrait of J. G. Palitzch; after A. Graff; proof before letters.

Wenzel von Olmütz. The Lute Player, (B. vi., p. 343.)

Woodcuts.

Burgkmair, Hans I. "Der Kunig von Gutzin," (B. 77); modern impression. *Presented by Sir A. W. Franks,* K.C.B.

Cranach, Lucas. Martyrdom of St. Barbara (B. 70).

0.97.

Dutch and Flemish Schools.

Drawings.

Buytenwegh, Willem. Set of five illustrations of costume, with a frontispiece; pen and Indian ink.

Engravings.

Blooteling, Abraham. Portrait of John Tillotson, Archbishop of Canterbury; after P. Lely; first state.

Matsys, Cornelis. Justice and Prudence (B. 2). *Presented by G. Mayer, Esq.*

Vaillant, Wallerant; Portrait of Laurentius Homma; mezzotint, (Wessely 46).

French School.

Drawings.

Bouchardon, Edme. Figure of a young man reclining, with attributes of a river god; red chalk. Figure of a man leaning on a pole; black chalk, heightened with white.

Lemoine, François. Figure of a young man standing with right arm raised; black chalk on grey paper.

Natoire, Charles Joseph. Bacchus seated; black chalk, heightened with white.

Vanloo, Charles Andrè. A dancing faun; red chalk.

Etchings.

Helleu, Paul. Six drypoint studies of figures of ladies. *Presented by the Artist.*

Engravings.

Debucourt, Louis Philibert, "Le compliment, ou la matinée du jour de l'an," and "Les bouquets, ou la fête de la Grand-Maman"; pair of coloured aquatints, from his own design.

Edelinck, Gérard. Portrait of Jean Jacques Keller; after Largillière.

Gaillard, Robert. "Les Bacchantes endormies"; after F. Boucher; proof before letters.

Janinet, Jean François. "L'aimable paysanne"; after St. Quentin; coloured aquatint.

Lignon, Etienne Frédéric. Portrait of William Frederick, Prince of Orange; after Odevaere; artist's proof.

Nanteuil, Robert. Portrait of Henri d'Orléans, Duc de Longueville; after Champaigne, (Dumesnil 149).

Regnault, Nicolas François. "Le Lever," stipple; printed in colours.

Surugue,

Surugue, Pierre Louis. "Made de **. en habit de Bal;" portrait of Madame de Mouchy, after C. A. Coypel.

Van Schuppen, Pierre Louis. Portrait of Gabriel de la Gardie, Swedish Chancellor; after D. Klooker; proof before title.

Prints arranged to illustrate the Works of Masters.

Baudouin, Pierre Antoine. "Le Lever," by J. Massard.

Bouchardon, Edme. Set of 13 plates of academical studies, etched by J. Aveline, F. Aveline, P. Aveline, J. Aubert, Huquier, and Peronneau.

Lavreince, Nicolas. "Le Dejeuner Anglais;" by G. Vidal; coloured aquatint.

Moreau, Jean Michel. "Declaration de la Grossesse," "N'ayez pas peur, ma bonne amie," "La rencontre au Bois de Boulogne," and "Le pari gagné;" four of the plates to Retif de la Bretonne's "Monument du Costume," engraved by P. A. Martini, J. S. Helman, H. Guttenberg, and Camligue; early states. Title pages to the three volumes of Baume's "Chymie expérimentale et raisonnée," 1773, by J. J. Le Veau. *Presented by Sir A. W. Franks*, K.C.B.

St. Aubin, Augustin de. "Le Bal Paré," and "Le Concert;" by J. A. Duclos.

St. Jean, Jean de. "Femme de Qualité en déshabillé reposant sur un lit d'ange" (portrait of Madame de Montespan); anonymous. "Femme de Qualité en déshabillé" (portrait of Madame de Maintenon); anonymous.

Vignon, Claude. The Sibyls; twelve plates by G. Rousselet. The Wonders of the World; seven plates by G. Rousselet. The Sages of Greece; seven plates by J. Couvay.

Artists of Foreign Schools Working in England.

Drawings.

De Cort, Hendrik. The aqueduct at Chirk, Denbighshire; pencil and Indian ink.

Etchings.

De Loutherbourg, Philip James, R.A. Five plates of landscape with cattle.

Massé, Pierre Augustin. Landscape with cattle; from the picture by Cuyp in the National Gallery; trial proof. "Luther's Hymn," after W. Firle; trial proof. "The Queen of Swords," after W. Q. Orchardson; two trial proofs. "The first Cloud," after Orchardson; three trial proofs. "The Pool below London Bridge," after C. W. Wyllie; two trial proofs. "On the sea shore;" from the picture by Wouwermans in the National Gallery; two states. *Presented by the Artist.*

0.97.

Engravings.

Bartolozzi, Francesco, R.A. A young woman of Otaheite bringing a present; after J. Webber; plate to Cook's "Voyage to the Pacific," 1784; two states. *Presented by Sir A. W. Franks*, K.C.B.

Schiavonetti, Luigi. Title to Blair's "Grave;" after W. Blake; proof. "Reunion of the Soul and the Body;" one of the plates to the same; after Blake; proof before letters.

Prints arranged to illustrate the Works of Masters.

Kauffmann, Angelica, R.A. Portrait of herself as the personification of Painting; by H. Sintzenich, stipple; printed in colours.

Van Assen, Benedictus Antonio. The Dance of Death, parts 1–3; seven coloured aquatints by Findlay and Gleadah.

English School.

Drawings.

Beverly, William Roxby. View on a river; pencil. View on Redhill Common; water-colours.

Bird, Edward, R.A. Portrait of J. M. W. Turner, R.A.; pencil sketch.

Blake, William. "And pity, like a naked new-born babe," etc.; pencil sketch for a composition executed in water-colours.—Sketch for the first of the series of illustrations to the Book of Job, "Thus did Job continually"; pencil and Indian ink.—Sketch for the dedication to Queen Charlotte designed for Blair's "Grave," but not engraved.—A design containing several of the motives of the illustrations to Blair's "Grave," with others which do not occur in that series; pen and water-colours.—Group of figures on a cliff, watching a storm; the figures drawn in outline against a dark background, washed with Indian ink; with a unique impression of a relief etching from it by Robert Blake.

Branwhite, Charles. View near Cleveden, Somersetshire; sketch in water-colours. Mill near Criccieth, North Wales; sketch in water-colours.

Branwhite, Nathan. Portrait of Robert Southey; Indian ink. Portrait of Walter Savage Landor; Indian ink.

Branwhite, Nathan Cooper. Portrait of Johann Gaspar Spurzheim; Indian ink. Portrait of James Johnson, of Bristol; Indian ink.

Browne, Ford Madox. Portrait of Arthur Gabriel Madox Browne, aged 10 weeks; study for the picture "Take your son, Sir!" pencil and black chalk. Sketch for the picture "Elijah and the Widow's Son"; pencil. St. John the Evangelist;

Evangelist; sketch for a cartoon for stained glass; pencil and Indian ink. "King René's Honeymoon"; a tracing, drawn with a brush in sepia.

Finch, Francis Oliver. A lady reading on a terrace; water-colours.

Flaxman, John, R.A. Eight sketches for the finished drawing of the Shield of Achilles in the possession of Lord Northwick. *Presented by Henry Vaughan, Esq.* Original design for the circular plateau in the possession of Her Majesty the Queen, now exhibited at the South Kensington Museum; sepia. *Presented by H. Vaughan, Esq.*

Gainsborough, Thomas, R.A. Portrait of a lady, seated holding a guitar; pencil and water-colours.

Glover, John. Six landscapes; sepia and Indian ink.

Hoare, William, R.A. Eighteen portraits, including the Earl of Chatham, the Duke of Newcastle, Ralph Allen, and Philip Thicknesse; crayons. Portrait of Sir Isaac Newton; original drawing in red chalk for the etching dated 1734. *Presented by Colonel Harold Malet.*

Hogarth, William (attributed to). Portrait of a gentleman seated at a table; red and black chalk, heightened with white. *Presented by J. E. Taylor, Esq.*

Johnson, Harry John. Old entrance to the Palazzo Borromeo, Isola Bella; sketch in pencil and water-colours. Isola San Giulio, Lake of Orta; sketch in pencil and water-colours.

Kearney, William Henry. View in the south aisle of the choir of Westminster Abbey; water-colours.

Matthews, Charles James. View of Rochester Castle; sepia. View of Dover Castle; sepia.

Reveley, William. East front of the arch of Trajan at Benevento; water-colours.

Sandby, Paul, R.A. South-east view of Windsor Castle; water-colours.

Tatham, Frederick. Portrait of Catherine Blake; pencil. Portrait of a Yarmouth fishwife, whose features resembled those of Catherine Blake; water-colours.

Etchings.

Cruikshank, Isaac Robert. "The Road to the Fight"; etching aquatinted and coloured; on a roll.

Munn, Paul Sandby. "Etchings on Stone"; seven parts, containing 28 plates. *Presented by J. D. Francis, Esq.*

Engravings.

Blake, William. "The Fertilization of Egypt," after Fuseli; illustration to Darwin's "Botanic Garden," 1791. "Morning or Glad Day," "Moses among the bulrushes." "Fear and Hope are—Vision." "The Shepherd and the Philosopher," and "The Miser and Plutus," illustrations to Gay's "Fables," 1793.

0.97. Bromley

Bromley, William. Portrait of George Frederick Handel; after T. Hudson; proof before letters, with the artists' names in scratched letters.

Chapman, John Watkins. Portrait of Miss Frances Beresford, after Hoppner; mezzotint; artist's proof. Portrait of Mrs. Braddyll; after Reynolds; mezzotint; artist's proof. The "Fortune Teller"; after Reynolds; mezzotint; artist's proof. *Presented by the Artist.*

Fry, William Thomas. Portrait of Sir Walter Scott; after T. Phillips. *Presented by Sir A. W. Franks,* K.C.B.

Jones, John. Portrait of Lady Hamilton; after Romney; stipple; printed in colours.

Meyer, Henry. Portrait of Sir Walter Scott; stipple. *Presented by Sir A. W. Franks,* K.C.B. Portrait of Anne Carr, Countess of Bedford; after A. van Dyck; proof before letters.

Turner, Charles, A.E. Portrait of John James Audubon; after F. Cruickshank; mezzotint; proof before title. *Presented by Sir A. W. Franks,* K.C.B.

Vertue, George. Portrait of George Holmes; after R. van Bleeck; proof before letters. Portrait of Ben Jonson; after G. Honthorst; proof before letters.

Walker, William. Portrait of Sir Walter Scott; after H. Raeburn; stipple; India proof. *Presented by Sir A. W. Franks,* K.C.B.

Prints arranged to illustrate the Works of Masters.

Cox, David. Six views of Bath; coloured aquatints by Smart and Sutherland.

Hardy, Thomas Bush. The Port of London; photozincograph reproduction of a charcoal drawing finished in 16 minutes, 16 December 1893. *Presented by the artist.*

MODERN PRINTS PRESENTED BY PUBLISHERS.

The Trustees have received from the Berlin Photographic Company proofs of the following photogravures recently published by them:—

Adams, Douglas. "Golden Autumn" and "Woodcock Shooting."

Alma-Tadema, Lawrence, R.A. "An Earthly Paradise," "Love in Idleness," "Sappho."

Blaas, Eugen von. "Punch and Judy."

Blinks, Thomas. "Partridge Shooting."

Calderon, W. Frank. "Orphans."

Elsley, Arthur J. "A Dead Heat."

Fildes, Luke, R.A. "Venetians."

Godward, J. W. "At the Fountain."

Gow, Andrew C. "After Waterloo."

Hulk,

Hulk, William F. "Solitude."
Leader, Benjamin Williams, A.R.A. "Eventide."
Leighton, E. Blair. "Sunday."
Leighton, Sir Frederic, P.R.A. "Greek Girls playing at Ball"; "Perseus and Andromeda"; "The Girl at the Fountain."
Logsdail, William. "St. Martin's-in-the-Fields."
Long, Edwin, R.A. "The Squire's Daughter."
Millais, Sir John Everett, R.A. "The Vale of Rest."
Moore, Henry, R.A. "Wrecked at Harbour's Mouth."
Morgan, Frederick. "Watching and Waiting."
Poynter, Edward John, R.A. "A Visit to Æsculapius."
Stone, Marcus, R.A. "Bright Summer."
Trood, William Henry. "Déjeuner."
Waterlow, Ernest, A.R.A. "The Nursery."

The Trustees have also received from Mr. L. H. Lefèvre, of King-street, St. James', artists' proofs of the following plates published by his firm during the year:—

Alma-Tadema, Lawrence, R.A. "God Speed"; etching by L. Lowenstam.
Bonheur, Rosa. "Education"; by J. B. Pratt.
Charlton, John. "The Poisoned Hound"; by J. C. Webb.
Sadler, Walter Dendy. "The New Will"; etching by J. Dobie. "When we were Boys together"; etching by J. Dobie.

Portraits.

Foreign.

Alençon, François, Duc d'; by C. van Sichem.
Alexander I. and Elizabeth, Tsar and Tsarina of Russia; a pair; after G. Kügelgen, by J. Walker; mezzotint.
Amyot, Jacques, Bishop of Auxerre; by L. Gaultier.
Artois, Marie Therèse, Comtesse d'; after Campana, by R. Gaillard.
Ayrault, Pierre; by L. Gaultier.
Argentré, Bertrand d'; by T. de Leu.
Barentin, Charles Honoré; after H. Rigaud, by E. Gantrel.
Beringhen, Henri Corneille, Marquis de; after La Porte; by P. E. Moitte.
Bernadotte, Jean Baptiste, King of Sweden; after Martinet, by L. F. Charon.
Bèze, Théodore de (Beza); anonymous.
Bourlon, Charles de, Bishop of Soissons; by P. Landry.
Burgundy, Louis, Duke of, grandson of Louis XIV.; by Simonneau.
Catherine de' Medici; by F. Huys.
Charles IX. of France; by N. Nelli.
Charles Louis, Elector Palatine; by J. Van Troyen.

Condé, Charlotte Catherine de la Tremouille, Princesse de ; by J. Isac.

Condé, Louis II. de Bourbon, Prince de ("Le Grand Condé"); after Dardel, by L. A. Bouteloup.

Conty, Armand, Prince de; by M. Lasne.

Couvray, Pierre Nicolas; after R. Tournière, by P. Drevet.

Crevant d'Humières, Anne Louise de; anonymous.

Culenborch, Catherine, Countess of; after Mireveldt, by W. J. Delff.

D'Assas, Louis; after P. S. Gay de Brié, by Moret.

Dumont, Jacques; after E. Lesueur, by P. Chenu.

Durfort-Duras, Emanuel, Duc de: etching by Quéverdo.

Elizabeth, daughter of Frederick V., Elector Palatine; anonymous.

Eric XIV. of Sweden; by Cock.

Emo, Giovanni, Procurator of St. Mark's, Venice; after P. Uberti, by G. A. Faldoni.

Estrées, Gabrielle d'; P. Aertsens, exc.

Forlenze, Guiseppe Nicola Blasio; aquatint.

Ferdinand II., Emperor of Germany; after P. Soutman, by P. van Sompel.

Foy, Maximilien Sebastien; after H. Vernet, by A. Lefèvre.

Franklin, Benjamin; after C. N. Cochin, by J. M. Will.

Frederick Augustus I., Elector of Saxony and King of Poland; after F. de Troy, by P. Drevet.

Gondy, Françoise Marguerite de Silly, wife of Philippe Emanuel de; after A. Pezey, by C. Duflos.

Gondy, Henri, Bishop of Paris; by L. Gaultier,

Gondy, Jean François, first Archbishop of Paris; by N. Viennot.

Guise, Catherine de Clèves, Duchesse de; anonymous.

Guise, Charles, Duc de; by T. de Leu.

Guise, Henri, Duc de; anonymous.

Haynin, François Isidore de; by J. Boulanger.

Hénault, Charles Jean François; after A. de St. Aubin, by P. E. Moitte.

Henri IV. of France; anonymous.

Jerome Bonaparte, King of Westphalia; after Kinson, by L. C. Ruotte.

John George III., Elector of Saxony; by J. van Troyen.

Joseph II., Emperor of Austria; after Kymli, by C. G. Schultze.

Jordan, Jean Louis; after J. M. Falbe, by Chevillet.

Keller, Jean Balthasar; after H. Rigaud, by P. Drevet.

La Mothe-Houdaucourt, Louise de Prié, Comtesse de; by F. Poilly.

La Peyronie, François de; after H. Rigaud, by J. Daullé.

Le Fèvre de la Broderie, Nicolas; by L. Gaultier.

Le Peletier, Claude; after P. Mignard, by P. Drevet.

Le

Le Riche de la Popelinière, Alexandre Jean; after L. Vigée, by J. J. Balechou.

Le Tellier, Charles Maurice; after P. Mignard, by G. Edelinck.

Loudon, Gideon Ernst, Baron; after Haubenstricher, by J. P. Pichler, mezzotint.

Lorraine, Armande Henriette de; by P. van Schuppen.

Lorraine, Charles Henri de; by N. de Larmessin.

Lorraine, Claude de, Chevalier d'Aumale; anonymous.

Lorraine, Henri de, Marquis du Pont; by T. de Leu.

Louis XIII.; by D. Custos. Another, by M. Lasne.

Louis XIV.; by G. Valck, mezzotint.

Luynes, Marie Charles Louis d'Albert, Duc de; after J. F. Guillet, by P. C. Ingouf.

Maignart, Charles Etienne, Marquis de Bernières; by E. Gantrel.

Mailly, François de, Cardinal Archbishop of Reims; after C. A. Vanloo, by P. I. Drevet.

Mansfeld, Ernst, Count; after Mireveldt, by W. J. Delff.

Marie Anne Victoria of Bavaria, wife of Louis "le grand Dauphin"; by A. Masson.

Marie Antoinette, when Dauphine; after Du Creux, by C. Duponchel.

Marie Louise, wife of the Emperor Napoleon; after Bosio, by J. F. Ribault.

Marie Theresa, Empress of Germany; by T. Burford, mezzotint.

Martinière, Germain Pichault de la; after Latinville, by R. Gaillard.

Masson, Jean Papire; by L. Gaultier.

Mayenne, Charles; Duc de; P. Aertsens exc.

Meissonnier, Just Aurèle; by N. D. de Beauvais.

Merian, Samuel; after L. Vassé, by C. von Mechel; printed on satin.

Mozart family; after De la Croce, by B. Höfel.

Napoleon I.; by J. B. Louvion; two states.

Nassau-Dietz, Sophia Hedwig, Countess of; after Mireveldt, by W. J. Delff.

Neufville, Nicolas de, Duc de Villeroy; by Grignon.

Orange, Amalia von Solms, Princess of; after Mireveldt, by W. J. Delff.

Orléans, Charles d', Archbishop of Cambrai; anonymous.

Orléans, Marie de Bourbon-Montpensier, Duchesse d'; by N. Regnesson.

Parma, Margaret, Duchess of; anonymous.

Petit, Antoine; by G. Benoist.

Pibrac, Gui du Faur, Seigneur de; by L. Gaultier.

Polignac, Melchior de, Cardinal; after S. Belle, by M. Horthemels.

Rebel, Jean Baptiste; after A. Watteau, by J. Moyreau.

Schulenberg-Kehnert, Friedrich Wilhelm, Graf von; after Kehrer, by Sintzenich.

Sève, Gui de, de Rochechouart; after Dien, by J. Lenfant.

Turgot, Jacques; by E. Gantrel.

William I. of Wurtemberg, when Crown Prince; by F. Müller.

Witsius, Herman; after G. Hoet, by P. van Gunst.

English.

Browne, Sir William; after T. Hudson, by J. Dixon, mezzotint.

Charles I., on horseback; by C. van Dalen. Another; photograph from a picture attributed to Mytens, in the possession of Mr. Griffiths. *Presented by G. Griffiths, Esq.*

Charles Edward, the Young Pretender; by J. Daullé.

Cox, David; after Sir J. W. Gordon, by S. Bellin, mezzotint; proof before letters.

Garnett, Richard, C.B., LL.D.; etching by Mrs. Morris; artist's proof.

Gray, Thomas. Photograph from a picture by B. Wilson, in the possession of Mr. Murray. *Presented by John Murray, Esq.*

Hastings, Warren; after J. Zoffany, by R. Brittridge.

Henchman, Humphry, Bishop of London; anonymous mezzotint.

Holland, Henry Rich., Earl of; by W. Faithorne; first state.

Locke, John; after Kneller, by E. Morellon la Cave.

Maclean, James, highwayman, robbing Lord Eglinton on Hounslow Heath, 1750; by P. Angier.

Maria Clementina Sobieski, wife of the Old Pretender; after C. Marsigli, by A. Giardoni.

Marlborough, John, Duke of, K.G.; after A. vr. Werff, by P. v. Gunst.

Monmouth, James, Duke of, K.G.; after Lely; anonymous mezzotint.

Montefiore, Sir Moses; lithograph by E. Krüger. *Presented by Sir A. W. Franks,* K.C.B.

Pope, Alexander; by G. Vertue.

Scott, Sir Walter; after Saxon, by J. Fittler. Another, after Chantrey, by J. Thomson. Another, after Wilkie, by E. Smith. *Presented by Sir A. W. Franks,* K.C.B.

Sidney, Algernon; chiaroscuro by J. B. Jackson.

Stephenson, George; after J. Lucas, by T. L. Atkinson, mezzotint; with the etching by R. Mitchell.

Strafford, Thomas Wentworth, Earl of; after A. Van Dyck; anonymous mezzotint; first state.

Tillotson, John, Archbishop of Canterbury; after Lely, by Blooteling; second state.

Victoria,

Victoria, Queen, in her bridal dress; after W. Drummond, by W. H. Mote.

Wilberforce, Samuel, Bishop of Winchester; by S. Bellin, mezzotint; private plate.

History.

Removal of Napoleon's remains from St. Helena to France; twelve lithographs by V. Adam and others.

"Annales de la Révolution Française, 1848"; ten lithographs by J. Arnout and V. Adam.

Caricatures.

A collection of twelve hundred political cartoons, chiefly published by the Irish National press between 1880 and 1892.

Sets and Collections.

One hundred and twenty-six proofs, in various states, of the plates to J. M. W. Turner's "England and Wales." *Presented by J. E. Taylor, Esq.*

Three hundred and twenty-five proofs of illustrations to the "Book of Beauty," "Keepsake," "Literary Souvenir," "Friendship's Offering," and other similar publications; engraved by J. Carter, E. Challis, J. Heath, C. Heath, W. Hill, T. Hollis, P. Lightfoot, W. H. Mote, E. J. Portbury, H. Robinson, H. T. Ryall, C. Rolls, L. Stocks, C. Warren, J. H. Watt, &c., from drawings by W. H. Bartlett, E. Chalon, D. Maclise, S. Prout, P. Stephanoff, C. Stanfield, T. Uwins, R. Westall, and others.

Eighty proofs of illustrations to the "London Journal," 1851–55, executed on wood by W. Gorway, from designs by Sir John Gilbert, R.A.

An album containing three hundred and ninety-five small vignettes and book illustrations, chiefly by German engravers of the school of Chodowiecki. *Presented by Sir A. W. Franks*, K.C.B.

Twenty-six woodcut illustrations to various editions of Foxe's "Book of Martyrs."

Thirty-three plates chiefly by Viennese artists, illustrating the processes of colour printing.

One hundred and forty-nine portraits of composers, musicians, and musical critics, cut from periodicals. *Presented by W. Barclay Squire, Esq.*, F.S.A.

"Works of Sir Edwin Landseer, R.A.," second series; one hundred plates; artist's proofs.

Books of Prints.

Bürger, Gottfried August. "Leonora," translated by J. T. Stanley, 1796, 4to; with plates by Perry, after W. Blake.

Flaxman, John. "A Letter to the Committee for raising the Naval Pillar or Monument," &c., 1799; with three plates by W. Blake.

Hayley, William. "Ballads," 1802, 4to, with eight plates by W. Blake.

Milton, John. Set of thirteen plates illustrating Milton's works; after T. Stothard, R.A., by F. Bartolozzi, R.A.

Natalis, Jerome. "Evangelicæ Historiæ Imagines," Antwerp, 1593, fol., with 155 plates by the Brothers Wierix, J. and A. Collaert, and C. van Mallery, from designs by B. Passeri. *Presented by Sir A. W. Franks*, K.C.B.

Raffet, Auguste. "Scènes Militaires et sujets variés," 1825–30; 83 lithographs.

Books of Reference.

Haden, Sir F. Seymour. "L'Œuvre Gravé de Rembrandt," 1880; excerpt from the "Gazette des Beaux Arts." "The relative claims of Etching and Engraving to rank as Fine Arts," 1890, with eight illustrations. "The Art of the Painter Etcher"; presidential addresses to the Society of Painter-Etchers, 1890 and 1891. *Presented by the Author.*

"The Art Journal," 1881–1889; nine volumes. *Presented by Lady Charlotte Schreiber.*

"The Magazine of Art," 1878–1889; twelve volumes. *Presented by Lady Charlotte Schreiber.*

"Catalogue of specimens of Japanese lacquer and metal work exhibited at the Burlington Fine Arts Club," 1894; with supplementary index. "Catalogue of the Exhibition of Pictures, etc., of the School of Ferrara-Bologna, at the Burlington Fine Arts Club," 1894. *Presented by the Committee of the Club.*

Sidney Colvin.

Department of Egyptian and Assyrian Antiquities.

I.—*Arrangement, Cataloguing, etc.*

Egyptian Antiquities :—

The general re-arrangement of the Egyptian Collection has been proceeded with, and a number of important objects acquired during this year have been incorporated.

Three hundred and fifty labels have been written and painted; eighty-one zinc and wooden labels have been prepared, polished, and fixed on cases; wooden frames have been made for eight papyri; thirteen oak frames for stelæ, and five hundred and twenty-seven plinths and pedestals have been made; forty-nine clay figures of birds and animals, thirty-six miscellaneous objects, and fifty-four bronze figures have been mounted on plinths or pedestals; iron standards, blocks, and "runners" have been fitted in four mummy cases; and fillets have been fitted to one hundred and eighty-nine trays.

Nine hundred and eleven objects of the different collections have been registered.

The second edition of the facsimile of the *Papyrus of Ani* has been published, and twenty-eight sheets of the transcript of the text and translation have been passed for press.

Assyrian Antiquities :—

The general re-arrangement of the tablets has been continued. Three hundred and sixty-seven tablets have been repaired; three thousand two hundred and fifty-one tablets have been placed in boxes lined with wool, and numbered; two hundred and fifty-one "joins" have been made; and the case list for the Assyrian Room has been continued. Casts of two hundred and seventy-three seals have been made; twenty-eight labels have been attached to the exhibition cases; and five gate sockets and six inscriptions have been mounted.

Copies of five hundred and ninety-four fragments of the 82-7-14 collection, and of one hundred and ninety-five fragments of Spartali II. collection have been made; one thousand six hundred and thirty tablets of the various collections have been registered; one thousand five hundred and sixty-three tablets of the Kouyunjik Collection have been verified with the registers and found to be correct.

Sixteen sheets of the fourth volume of the *Catalogue of the Cuneiform Tablets in the Kouyunjik Collection* have been passed for press.

Students:—

One thousand six hundred visits have been made to the Egyptian and Assyrian Department by students and others, who have been assisted in their researches; and eleven thousand two hundred and seventy-two objects have been issued to them for study.

II.—*Acquisitions.—Purchases.*

i. Egyptian:

1. A stone cylinder inscribed with the names and titles of Pepi I., King of Egypt, about B.C. 3233. It appears to have been made for a certain "chief precentor or reader, who performed the will of his lord." The British Museum already possesses a somewhat similar cylinder in bronze.
2. Two wooden boats, fitted with captains and crews, which are models of the funeral boats or barges in which the dead were ferried over to the tombs on the western bank of the Nile. They belong to the period of the XIIth dynasty; about B.C. 2500. From Meir, in Upper Egypt.
3. Two green glazed steatite cylinders inscribed with the names and titles of Usertsen III. (?) and of Amenemhāt III., Kings of Egypt; about B.C. 2300; XIIth dynasty.
4. Green glazed porcelain case for a mummied snake. The snake was laid upon a layer of "biscuit," in which grooves had been made to receive the coils of the serpent; a grooved covering of "biscuit" was next laid upon it, and when the edges had been joined, the whole object was covered with the liquid glaze, and then baked in an oven. XXth dynasty; about B.C. 1200. From Thebes.
5. Three limestone stelae. XXth dynasty; about B.C. 1200. From Thebes.
6. Bronze chain with pendant heart. From Thebes.
7. A small carnelian face from a plaque, having upon it a golden figure of a king in relief. Very fine work. XXth dynasty; about B.C. 1200.
8. A papyrus inscribed in the hieratic character, with a series of funeral compositions written for Queen Netchemet, the wife of Her-Heru, the first priest king of Egypt; about B.C. 1040. This papyrus is one of the most important, and is probably the oldest of all, belonging to the period

period of the rule of the priest kings in Egypt. The initial vignette shows the queen in the act of adoring (1) "Amen-Rā Harmachis," and (2) "Osiris, the dweller in the underworld, the great god, the lord of the Tuat," a fact which proves that the priests of Amen exalted their god above all the ancient cosmic and funeral gods of Egypt. Some of the texts in this papyrus are drawn from works other than the Book of the Dead in vogue during the XVIIIth, XIXth, and XXth dynasties, and the illustrations are typical of the period. Palaeographically the document is of great value, for its approximate age being known, it may be made a fixed point for the comparison and dating of other similar papyri.

9. A bronze libation vase, inscribed with the names and titles of the princess Auset-em-khebit; about B.C. 1000. From Dêr el-bahari.

10. A bronze libation vase, inscribed with the names and titles of Nesi-ta-neb-asher, a princess and priestess of Amen; about B.C. 1000. From Dêr-el-bahari.

11. Green basalt scarab from the network on bandages over the breast of the mummy of Nesi-Khensu, a princess and priestess of Amen; about B.C. 1000. This interesting object is inscribed with a version of Chapter XXX. B. of the Book of the Dead, wherein the deceased prays that her heart may not be separated from her in the Hall of Osiris, and that no false testimony may be borne against her. From Dêr el-bahari.

12. A small wooden coffin containing a mummified portion of the body of Sutimes, the "scribe of the treasury of the god Amen"; about B.C. 1000. From Dêr el-bahari.

13. Wooden *ushabti* figure of the lady Āāi, inscribed with part of the VIth chapter of the Book of the Dead; XXVIth dynasty; about B.C. 600.

14. Green glazed porcelain *ushabti* figure of an inspector of the farms of Amen, inscribed with the VIth chapter of the Book of the Dead; XXVIth dynasty; about B.C. 600.

15. Green glazed porcelain plaque, inscribed with the name Psammetichus; XXVIth dynasty; about B.C. 600.

16. Bronze sistrum; very fine work. From Tell Basta.

17. Mould for casting figures of the ægis of the goddess Bast. From Tell Basta.
18. A number of fragments of papyri, inscribed in Demotic.
19. Gnostic gem, inscribed with a figure of the god Harpocrates, and with the name of the god Abrasax.

ii. Assyrian:—

1. Six terra-cotta cones, inscribed with the names and titles of Gudea, viceroy of Lagash; about B.C. 2500.
2. Three contracts dated in the reign of Ammizaduga; about B.C. 2100.
3. Three tablets, inscribed with draft agreements; about B.C. 2000.
4. A Babylonian cylinder-seal, inscribed in archaic Babylonian characters with the name of a priest of Beltis; belonging to the period of the first Babylonian Empire.
5. A collection of 12 cylinder-seals, inscribed with their owners' names, etc.
6. A collection of 37 contract tablets of the reigns of the Kings of the second Babylonian Empire, and of the Persian Conquerors of Babylon.
7. A collection of about 900 tablets, etc., inscribed with contracts, letters, lists of estates and properties, etc., of various periods. A large number of these tablets supplement the collection acquired by the Museum in 1890.
8. Bronze rhyton in the form of a mythical animal having the horns and ears of an antelope, and the snout of a boar. Found at Môsul (Nineveh).
9. A hæmatite seal similar to those which have been found in Asia Minor, and which are commonly called "Hittite." On two of the sides are religious scenes, in which a man is represented pouring out a libation before a god with two faces, etc., and on the base, within a laced work pattern, are remains of hieroglyphic symbols, which probably formed the name of the owner of the seal. The art seems to be the result of a mixture of Egyptian, Assyrian, and Asia Minor influences, and its probable date lies between B.C. 700–100.

Presents.

I.—1. A large limestone slab covered with a layer of plaster, upon which is painted a scene representing the chair of State, and its bearers, and a number of the officers of the household of Tehuti-hetep, a governor of the nome Hermopolites in Upper Egypt in the XIIth. dynasty; about B.C. 2500.

2. A series of limestone fragments from the tomb of Tehuti-hetep, on which are depicted scenes relating to the agricultural and industrial operations which were carried out on his estate.

3. A series of painted limestone fragments, inscriptions, etc., from the tomb of Tehuti-nekht, a governor of the nome Hermopolites in Upper Egypt in the XIIth dynasty; about B.C. 2500.

The above objects are from El-bersheh.

4. Limestone fragment, inscribed with the name of the city of Bāh. From Tell Baklieh in Upper Egypt.

5. A fine bronze figure of the cat-headed goddess Bast standing, with four kittens upon a pedestal. In the left hand, the goddess holds an ægis, and in the right a sistrum. The sides of the pedestal are inscribed with a dedication to the goddess, and the eyes are of gold inlaid. This interesting object is probably the work of the period between the XXIInd and XXVIth dynasties.

Presented by the Committee of the Egypt Exploration Fund.

II.—1. Bronze figure plated with silver. Found on the hill at the foot of Lebanon, near Tyre.

2. Stone fragment with cartouche of Nekau, King of Egypt, B.C. 612.

3. Archaic stone head.

Presented by Sir A. Wollaston Franks, K.C.B.

III.—1. Blue painted terra-cotta *ushabti* figure.

Presented by John Ward, Esq.

IV.—1. A rectangular slab of alabaster, 14½ by 11 in., with figures of three men in relief, being part of one of the bas-reliefs representing the building of the palace of Sennacherib at Nineveh, now in the British Museum.

Presented by F. Whelan, Esq.

0.97. V.—1. A Babylonian

V.—1. A Babylonian duck-weight.
Presented by Alfred Holland, Esq.

VI.—A collection of paper "squeezes" of Ethiopic, Himyaritic, and other inscriptions.
Presented by J. Theodore Bent, Esq.

E. A. Wallis Budge.

Department of Greek and Roman Antiquities.

I.—*Arrangement, Cataloguing, etc.*

The arrangement of the Mausoleum Room has been completed, including the painting and decorating of the walls and ceiling; the seated figure from the Thrasyllus monument has been transferred to the Ephesus Room; the casts of the west frieze of the Parthenon have been partly re-moulded and partly cleaned; four sculptures from Civita Lavinia moulded and cast; the terra-cotta roof and cornice from Civita Lavinia have been repaired and erected in the Etruscan Saloon; 26 sculptures mounted on plinths, and three pedestals altered; 14 new pedestals of variegated marble have been placed in the Sculpture Galleries; three painted stelæ from Cyprus, and two inscriptions have been repaired and mounted on stone plinths; a series of Portland plinths, one sculpture, and a mosaic pavement have been cleaned and repaired; two slate shelves have been fixed for inscriptions; 17 pieces of architecture have been placed in the Græco-Roman Basement; 22 vases, and a number of fragments of pottery and other objects from Cyprus, have been cleaned and repaired; a stand has been made for the drawings of the Priene Temple; six trays have been made for cases in the Terra-cotta Room; two table-cases in the Mausoleum Room, two pedestal-cases in the Bronze Room, two table-cases in the Third Vase Room, and a series of wall-cases in the vestibule of the Gold Ornament Room have been prepared and fitted with cloth or velvet; a marble patera has been framed and fixed in the Entrance Hall; one bronze statuette, three kylikes, and one gold vase have been mounted; one oak plinth made for the Bronze Room; 24 pedestal blocks, 190 tablets, and 18 wooden labels prepared; fittings have been made for the Gold Ornament Room; two upright cases for vases have been raised on plinths; antiquities excavated at Amathus arranged for exhibition; 1,072 bronzes, and 532 vases catalogued; 598 objects registered; 280 descriptive titles written and attached to

to objects; cases in the Bronze Room, Etruscan Saloon, and First Vase Room have been re-arranged; a series of labels for the Terra-cotta, Bronze, and Vase Rooms has been prepared and sent to the printer; 40 shapes of vases have been drawn for the vase-catalogues; progress has been made with the catalogues of sculpture (Volume II.), bronzes, and vases (Volumes III. and IV.); and a publication entitled "Designs on Greek Vases" has been issued.

II.—*Acquisitions.*

By Donation.

I.—1. Steatite scaraboid with intaglio of seated Sphinx.

2. Sardonyx with intaglio of Athena Nikephoros.

3. Sard with intaglio portrait of Nerva (cf. Bernoulli, Röm. Ikonographie, II., 2, pl. 22b). *From Cyprus.*

Presented by A. H. Smith, Esq.

II.—Marble fragment of inscription, completing one already in the Museum (Brit. Mus. Inscr., No. 344). *Rhodes.*

Presented by Freiherr Hiller von Gaertringen.

III.—Two small limestone stelæ: women holding infants. *Cyprus.* *Presented by C. D. Cobham, Esq.*

IV.—1. Fragment of archaic pinax with galley.

2. Fragment of porcelain statuette. *Found at Datcha, near Knidos.* *Presented by Mr. J. Kalesperis.*

V. Terra-cotta vase in form of comic actor. *Coptos.*

Presented by Prof. W. M. Flinders Petrie.

VI.—Antiquities from Lord Savile's excavations at Civita Lavinia, including:—

1. A series of fragments of terra-cotta with designs painted and in relief.

2. Terra-cotta stamps.

3. Fragmentary marble head, a portrait probably of an Empress, and parts of equestrian figures in marble.

4. Four fragments of painted stucco, and seven fictile fragments of various styles.

5. Fragments of a semi-cylindrical tile and of terra-cotta Corinthian capitals. *Presented by Lord Savile,* G.C.B.

0.97.

VII.—Antiquities excavated in 1893–94, at Amathus, in Cyprus, under the bequest of Miss E. T. Turner, including :—

1. Limestone stelè inscribed in archaic Greek letters, and in elegiac verse, to the memory of a soldier named Idagygos, of Halicarnassos, son of Aristocles. The words are separated by two dots.

2. Fragments of a limestone pillar, with archaic inscription commemorating one Naxios.

3. Limestone stelè, on which has been painted the figure of a warrior, with elegiac inscription concerning one Nicogenes, a native of Calymnos.

4. Two smaller limestone stelæ, each having a figure of a youth painted on it, but now considerably injured.

5. Fragment of a similar stelè having a female figure seated to the front, painted in a manner recalling some of the best of the Pompeian frescoes.

6. Six similar stelæ, with remains of colour: one of them inscribed with a name.

7. Tall limestone stelè, inscribed in large letters of a good period, Θευδαίσιος Εὐ(ε)σπερίτης.

8. Fragment of a limestone stelè, inscribed in memory of a native of Mytilenè, a son of one Phanagoras.

9. Limestone sarcophagus, on the lid of which is sculptured in the archaic manner a bearded head, having the hair arranged in formal curls over the brow: unfinished work.

The engraved gems of this series belong mostly to the archaic period. Among them may be noticed for their beauty of workmanship the following intaglios :—

10. Sard scarab, with a figure of a discobolos stooping to raise his disc.

11. Sard, with a war-galley: of very minute engraving: mounted in gold for a finger-ring.

12. Banded onyx, with a winged figure of Fate: mounted in gold for a finger-ring, with silver hoop.

13. Sard, with Heracles attacking the Nemean lion: mounted in gold for a finger-ring.

14. Pale plasma scarab, with a cow suckling her calf, against a back-ground of papyrus.

15. A gold finger-ring, with a Satyr carrying a wine-skin over his shoulder.

16. A small gold pendant in the form of a mask of Silenos, of very delicate archaic workmanship.

17. Small gold pendant in form of lion's head.

18. A number of small ingots of gold and of silver.

19. Necklace

19. Necklace of gold clasps and ornaments of vitreous paste; archaic.

20. Necklace of gold links and steatite discs.

21. Four spirals, for wearing in the hair, made of bronze, thickly plated with gold and beautifully enamelled: they each terminate in the head of a gryphon; archaic.

22. Two similar spirals of silver, terminating in lions' heads, which are plated with gold and enamelled as the last; archaic.

23. Three similar spirals in bronze, terminating in female heads which are plated with silver; archaic.

24. Pair of silver bracelets, ending in serpents' heads; archaic.

25. Pair of bronze-gilt bracelets; archaic.

26. Pair of similar bracelets in bronze; archaic.

27. Silver fibula, with rings attached; archaic.

28. A series of Phœnician scarabs in porcelain and steatite, including six bearing the cartouche of Thothmes III.

29. A series of Egyptian amulets in porcelain.

30. String of cornelian and agate beads.

31. Twenty-two variegated glass vases found in tombs, with Greek black-figure vases or other evidence of belonging to the 6th cent. B.C.

32. Porcelain vase in form of duck.

33. Five porcelain aryballi.

34. Porcelain tablet (pinax).

35. A series of glass vessels of the Roman period, one of which is inscribed ΑΑΒΕ ΤΗΝ ΝΕΙΚΗΝ. Among these are also three examples of painting in outline on the glass, one representing a bust of Luna.

36. Seven fillets of bracteate gold stamped with floral patterns, of a comparatively late period.

37. A number of small gold earrings and finger-rings, of a late date.

38. Bronze mirror incised with the figure of a palm tree.

39. Similar mirror incised with geometric patterns.

40. Three bronze holders for torches.

41. Two bronze ladles, the one having a folding joint to the handle.

42. Several bronze dishes.

43. An iron sword.

0.97. 44. Five

44. Five terra-cotta statuettes, resembling those of Tanagra.

45. A terra-cotta male figure in Cypriote costume, carrying a ram over his shoulders.

46. A terra-cotta figure of Bes.

47. A number of rude terra-cotta figures of horsemen, animals, &c., &c.

48. Eight terra-cotta models of ships.

49. A bowl of the kind known as Megarian, with reliefs on the outside. It is of black ware.

50. A series of vases of local Cypriote fabric, mostly with geometrical decoration. Among these may be noticed one on which a banquet-scene is represented, and another on which appear heads of Hathor, as on a small class of vases already known and supposed to have been made in Asia Minor. This new specimen from Cyprus was found with objects of a comparatively late date.

51. A number of vases of the black-figure period, which had been imported from Greece. The most interesting is one on which a winged male figure is represented on the obverse pursuing a Victory on the reverse. The Victory holds out a wreath.

52. A fragment of Dipylon pottery with part of a horse, grazing: in the space between his legs is a rosette formed of a circle surrounded by dots. This fragment was found alone in a tomb which had been ransacked.

By Purchase.

I.—*Gold ornaments and jewellery.*

1. Fibula of primitive type. *From the Wills Sale.*

2. Ornament for the hair, with incised patterns. *Myndus.*

3. Ring set with carnelian intaglio of Hermes. *Smyrna.*

4. Etruscan necklace. *Perugia.*

5. Vase weighing 24 oz. troy, equal in metal to 99*l.* 10*s.*, inscribed on the foot PIISLI, to indicate the weight. *Found in sponge fishing off the coast of Asia Minor.*

6. Band of bracteate gold embossed with combat of Centaurs and Lapiths in three groups: in the centre are two Centaurs raising a huge stone to crush Caineus, who sits on the ground looking up towards the stone; on each side is a Lapith armed with a club attacking a Centaur; on the top is a Sphinx seated with diota in front, as on the coins of Chios. *Eretria.*

7. Pair of bracelets. *Mycenæ.*

8. Bracelet

8. Bracelet of Ptolemaic or Roman period. *Egypt.*

9. Etruscan bulla with embossed designs very beautifully chased: *obverse,* horseman with drawn sword; *reverse,* two combatants: the one, armed with a sword, attacking the other, who hurls a great stone at him; probably a group from a Gigantomachia.

10. Bar and fragment of bar with assayer's stamp and name of a procurator monetæ. (C. I. L. III., Suppl. No. 8080. *See also* Mommsen, in Zeitschrift für Numismatik, XVI., p. 355.) *Found in* 1887 *at Cronstadt, Transsylvania.*

II.—*Silver.*

1. Patera of late Roman period; in the centre a relief of Cupid with trident. *Asia Minor.*

2. Ring with intaglio of woman spinning, inscribed A]ΠΟΛΟ . . NI (Ἀπολλωνίδης); end of fifth century B.C. *Asia Minor.*

3. Plated bronze disk: Achilles putting on his sandal.

4. Statuette of infant Bacchus. *Cairo.*

5. Alabastos containing blue colour. *Eretria.*

III.—*Bronze.*

1. Statuette of Gaulish Hercules; Gallo-Roman workmanship. (Gazette Archéologique, 1887, pl. 26, fig. 2.) *From the Wills Sale; found at Vienne, Isère, France, in* 1866.

2. Statuette of Gallo-Roman workmanship; type of Apollo. *Bologna* (?). *From the Wills Sale.*

3. Handle of instrument, in form of lion devouring bull.

4. Fibula with patterns in gold. *Alexandretta.*

5. Strigil, inscribed AVKIONO [Σ] (Ἀλκίονος for the usual Ἀλκύονος). *Eretria.*

6. Strigil, inscribed KEVON (Κήλων). *Eretria.*

7, 8. Two pairs of fibulæ with designs of Dipylon style. (Compare Ephem. Archæol., 1892, pl. 11.)

9. Pyxis with cover and stand.

10. Mirror with handle in form of Aphroditè.

11. Biga of Roman period. *Found in the Tiber.*

12. Mirror-cover, with relief of Artemis striking down giant. *Eretria.*

IV.—*Marble, &c.*

1. Marble sepulchral stelè of Athenian workmanship, about 400 B.C., with relief of woman seated and holding a casket, while

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while an attendant standing before her holds an infant in swaddling clothes. (Journal of Hellenic Studies, XIV., pl. 11.) *Found in the cellar of a house in Jersey about* 1870.

2. Limestone slab with Latin inscription recording the building of a bridge A.D. 90, in the time of Domitian, whose name is here erased. *Coptos.*

V.—*Terra-cotta.*

1. Female statuette of Tanagra type.

2. Statuette of Hermes, a Roman copy of a Praxitelean type. *Asia Minor.*

3. Model of a semi-circular building with domed roof. (Compare Röm. Mittheil. VIII., p. 286.)

4. Archaic female bust.

5. Female figure leaning on pillar.

6. Winged girl wearing a short skirt as if for dancing.

7. Grotesque figure of old woman lying on couch.

8. Similar figure seated on basket.

9–13. Five statuettes of Eros.

14. Statuette of Eros, having his head muffled in drapery, and carrying his boots in his hands.

15. A smaller statuette of Eros carrying his boots in his hand.

16. Archaic seated Medusa.

17. Pair of boot-heels.

3–17. *From Eretria.*

18. Statuette of female figure. *Canea, Crete.*

VI.—*Pottery.*

1. Athenian polychrome lekythos; mourners at the bedside of a deceased child. *Eretria.*

2. Fragmentary red-figure *kylix* with representations of Gigantomachia; names inscribed. (Compare Gerhard, Trinkschalen, pls. 10, 11.) *Orvieto.*

3. Corinthian alabastron with winged goddess grasping a swan in each hand, as on the Camiros pinax. *Corinth.*

4. Bowl of red Megarian ware, with reliefs representing scenes from the Phœnissæ of Euripides. (Classical Review, VIII. (1894), p. 325.) *Thebes* (?).

5. Cantharos with black figures, representing (A) the departure of Amphiaraos for Thebes; (B) the combat of Polyneikes and Eteocles. *Found near the Pnyx, Athens.*

6. Archaic

6. Archaic lekythos; Sphinxes and lions. Minute and beautiful work. *Eretria.*

7. Archaic vase in the form of a figure with Egyptian head-dress. *Eretria.*

8. A very small Panathenaic amphora; (A) Athenè; (B) runner in torch-race. *Eretria.*

9. Athenian polychrome lekythos; a woman seated in a chair, with right hand extended to receive an alabastos which a companion brings to her. The drawing is extremely beautiful. *Eretria.*

10. Athenian lekythos; a woman seated. *Eretria.*

11. Oinochoè, red figure; Apollo pouring libation. *Eretria.*

12. Oinochoè, red figure; Satyr riding on deer. *Eretria.*

13. Athenian polychrome pyxis with marriage scene, in which the bridegroom leads the bride towards an altar. Early part of fifth century B.C., and remarkable for the beauty of the drawing. *Eretria.*

14. Oinochoè, with white and gilt designs; girl and boy playing with dog. *Eretria.*

15. Polychrome lekythos; two gryphons guarding an ant-hill of gold (Cf. Herodotus, iii., 102). *Eretria.*

16. Oinochoè in the form of a Seilenos carrying Gaia or Abundantia on his shoulder. *Eretria.*

17. Phialè, signed by Sotades; white ground (Fröhner, Van Branteghem Cat., No. 160). *Found at Athens in* 1890.

18, 19. Two cups with horizontal flutings painted red, white, and black (Fröhner, *ibid.*, Nos. 161, 162). *Found at Athens with last.*

20. Oinochoè, red figure; Eros and tripod (Froehner, *ibid.*, No. 141).

VII.—*Engraved Gems.*

1. Carnelian phalera, with female face and rosette. Roman period.

2. Sard intaglio of winged river-god with bull's head. *From the Wills sale.*

3. Chalcedony intaglio: Zeus, Hermes, and Artemis. *Moughla.*

4. Chalcedony intaglio: warrior carrying a boy. *Moughla.*

5. Carnelian intaglio representing a throne, on which is placed a sacred stone (*baetylos*); in front is a crescent

 enclosure,

enclosure, inscribed ΑΓΟ. (Compare coins of Cyprus, Journ. Hell. Stud., ix., p. 210). *Halicarnassos.*

6. Amethyst intaglio: Hermes with ram and cock. *Trebizond.*

7. Sardonyx cameo: Cupid breaking a lyre and standing on a prostrate term of Bacchus. *Asia Minor.*

8. Sard scaraboid intaglio: foreparts of lion and bird. *Adana, Asia Minor.*

9. Onyx cameo: Seilenos leading goat.

10. Onyx cameo, inscribed ΟΥ ΦΙΛΩ ΜΗ ΠΛΑΝΩ ΝΟΩ ΔΕ ЄΥ ΚΑΙ ΓΕΛΩ (οὐ φιλῶ μὴ πλανῶ νοῶ δὲ εὖ καὶ γελῶ). (Arch. Zeit. IX., Anzeiger, p. 113). *Formerly in Hertz Coll.*

11. *Jacynth intaglio:* runner with Roman standard. *Eleusis.*

12. Sard intaglio in antique setting: tragic mask. *Carthage.*

13. Sardonyx cameo: bust of Diana. *Sidon.*

14. Sardonyx cameo: fish. *Sidon.*

15. Sard cameo: head of Cupid. *Cairo.*

16. Amethyst intaglio: cow. *Khartoum* (?).

17. Lapis lazuli intaglio: Cupid. *Khartoum* (?).

18. Sardonyx cameo: Ganymede and the eagle. *Varna.*

19. Sardonyx cameo: portrait head, probably of Anacreon (compare Bull. Comm. Arch. xii., pl. 2, and Arch. Zeit. 1884, pl. 11).

20. Sardonyx cameo: head of Helios. *Syra* (?)

VIII.—*Miscellaneous.*

1. Amber head of Seilenos: Roman workmanship.

2. Lead weight inscribed with Greek characters. *Smyrna.*

A. S. Murray.

Department of British and Mediæval Antiquities and Ethnography.

I.—*Arrangement.*

Glass and Ceramic Gallery.—The glass coin weights have been arranged in a table case and labelled; several new identifications have been made. Two shelves in the antique section have been added for recent acquisitions. A direction board for this and the Print Gallery has been made and placed at the entrance to the Ceramic ante-room.

Ethnographical

Ethnographical Gallery.—The following sections have been cleaned, and the objects re-arranged where necessary, viz.:—The Hawaiian Islands, Eastern Africa, the Andaman Islands, the Nicobar Islands, Borneo, Torres Straits, Micronesia, Peru, Brazil, and S. E. New Guinea.

The specimens on the tops of the cases have been twice cleaned.

One hundred and thirty-two labels, with duplicates, have been printed with the hand-press in the Department, the greater part of them being for this gallery.

Two central cases of the mummy-case type have been received and filled with specimens; in one of them new fittings have been specially made, and a number of Hawaiian specimens arranged in it.

One hundred and sixty-six wooden plinths have been made.

The large photographs of New Guinea in this gallery have been taken out of their frames and cleaned.

Three hundred and seventy-eight headings to catalogue slips of ethnography have been printed with the hand-press.

Eighty-two lift handles have been fixed to doors of table-case cupboards.

Asiatic Saloon.—The Chinese porcelain and bronzes bearing Arabic inscriptions have been arranged as a separate series. A central case of Chinese porcelain has been cleaned, and the wall-cases containing bronzes have been re-painted, re-velveted, and a part of the contents cleaned and re-arranged. The series of armorial china has been labelled, and a number of labels have been written for this room and for the Mediæval Room. A central case has been made, internal fittings provided, and a Japanese Shinto shrine exhibited in it.

Gallery of Religions.—The Christian gems have been classified; some identifications have been made, and a slip catalogue written. The case of Buddhist tope relics has been lined with merino, and the objects re-arranged in it. General labels have been written for the gallery, and a large number of individual objects have been labelled.

The registration of current acquisitions has been continued, and 1,247 objects have been registered. The registration of acquisitions previous to the modern system of registration has been completed.

Thirty-four enamels have been catalogued.

Twenty-four mounting boards have been made; ninety-three boards covered with paper; and 1,546 objects mounted for exhibition.

The hand list of the contents of drawers in the Department has been corrected and brought up to date.

A slip catalogue of mediæval and later weapons has been begun.

The two new wall-cases in the Prehistoric Saloon have been fitted and arranged; and the Egyptian section in the same

room has been arranged; three stone plinths have been cleaned and labelled.

General labels have been painted for the Prehistoric, Roman and Saxon Rooms, and 24 other labels have been painted.

A number of Saxon antiquities have been cleaned and repaired, and nine oil paintings have been cleaned, varnished, and protected by glass.

During the year there have been 1,807 visitors to the studies of the Department.

II.—*Acquisitions.*

(1.) *Early British and Prehistoric Antiquities:—*

Twenty-one flint implements from the Drift in Suffolk, and twenty-six others from the Thames Valley.

Sixteen arrow heads, cores, &c., from the neighbourhood of Linton, Kent; presented by D. F. Kennard, Esq. Other neolithic specimens from Suffolk, and the Thames near Taplow, as well as some curious implements of stag's horn from the latter locality. An anvil, flakes, and cores of flint, from Skellmuir, Aberdeenshire; presented by Frederick Rooper, Esq.

Four British urns from Hut Circles, near Maidenhead, and two others found in a barrow at Felixstow, Suffolk.

Bronze palstave from Shelford, Cambridgeshire; presented by Sir A. W. Franks. Bronze spearhead from Haxey, Lincolnshire, and two "founders' hoards" from Allhallows, Hoo, Kent. Eleven bronze implements, including a fine scabbard end and a sickle, the latter long a desideratum, all from the Thames, near Taplow.

The foreign illustrations include:—

Fifteen quartzite implements of palaeolithic type from Raipur, on the Jumna, India; presented by C. Maries, Esq.

Four implements of palaeolithic type from the desert behind Coptos, Egypt, and 20 flint implements from the town of Coptos; presented by H. Martyn Kennard, Esq. Two stone axes from the same place; presented by Jesse Haworth, Esq.

A collection of bronze implements from the Lake of Neuchâtel, Switzerland; presented by Sir A. W. Franks; and two very rare wooden handles from the Swiss Lakes, presented by the Rev. William Greenwell, D.C.L., F.R.S.

A bronze axe of rare type, found in the county of Csongrad, Hungary.

A Chinese bronze spear-head with inscription giving the date equivalent to A.D. 196-220, a knife used as money, and three bronze mirrors, all from China; six silver plates, probably from Gungeria, Central India; all presented by Sir A. W. Franks.

(2.) *Anglo-Roman:—*

A pig of lead with inscription *P. Rubri. Abascanti. Metalli. Lutudares*, found near Wirksworth, Derbyshire.

Samian bowl of unusual size, with hunting scene, and a Samian patera; from Wingham, Kent.

Bronze patera with stamp of Africanus, bronze ewer, and specimens of pottery found at Linton, near Chatham, Kent. Silver torques and two finger rings with intaglios, found in an urn in the Slay Hill Saltings, Medway Marshes.

Portion of a figure sculptured in oolite, from Froxfield, Wilts. Nine pewter vessels found in the Fens, near Newmarket.

(3.) *Anglo-Saxon, Foreign Teutonic, Early Irish etc.:—*

Iron angon and other antiquities from an Anglo-Saxon grave at Strood, Kent; and an Anglo-Saxon sword with remains of gold handle, from Kent.

Contents of an Anglo-Saxon barrow at Broomfield, Essex, consisting of two glass vases, gold ornaments with garnets, sword, spearheads, &c.; presented by David Christy, Esq.

Teutonic brooches, buckles, and earrings, chiefly from Germany. Fine "box" brooch of Scandinavian type, and a bronze bowl, &c., from a grave in the district of Vestnas, Norway.

(4.) *Mediæval and Later:—*

(a.) *English.*—The most important acquisition in this section is a prayer book believed to have belonged to Queen Elizabeth, and in a binding of gold enamelled. This volume has long been known, and was last in the Field Collection. The book, which measures 3⅛ inches by 3 inches, is entitled, "Morning and Evening Prayer, with divers Psaulmes Himmes and Meditacions made by the Lady Elizabeth Tirwit; printed by H. Middleton for Christopher Barker." On the back of the title are the arms of Falconbridge, Lady Tyrwhitt's maiden name, and at the end is the date 1574. The binding is of solid gold, with subjects on the sides raised and enamelled. The subjects are the Brazen Serpent and the Judgment of Solomon, with English inscriptions around; the back and clasps have arabesques with black enamel, and there are two loops at the upper edges to attach it to a chain worn at the girdle. No other copy of the printed book seems to be known, and this copy has been described by Dibdin and others. Presented by Sir A. Wollaston Franks, K.C.B.

Seal of John, Duke of Bedford, Regent of France, for payments due in that country.

Draughtsman made from walrus tusk, with three figures, presented by Sir A. W. Franks; and two sculptures in alabaster of the Adoration of the Magi and the Resurrection.

Several astronomical instruments, and a watch, made by Isaak Simmes. Silver watch that belonged to Jeremy Bentham; presented by Sir Joseph Hooker, K.C.S.I.

Stone mortar with curious inscription and the date 1607, and an Exchequer tally for a large sum; presented by Frank Renaud, Esq., M.D.

A gold finger ring with the Five Wounds, used as a charm, found at Hackney.

Tesseræ from a sixteenth century pavement or wall decoration made from horses' teeth, pottery, etc., from Crux Easton, Hampshire; presented by Walter Money, Esq., F.S.A. Wooden fittings of a box lined with stamped leather, apparently with figures of Prince Rupert; presented by Henry J. Pfungst, Esq., F.S.A. Seal for bottle stamps with arms of Catherine Sedley, Countess of Dorchester, and an embroidered trumpeter's banner; presented by Sir A. W. Franks.

(b.) *Foreign.*—Bronze gilt figure of a hawk of fine style, obtained in Syria, and a cross from Erment; presented by Henry Wallis, Esq.

Leaf of an ivory diptych made in honour of St. Radegund, formerly in the Spitzer Collection. Pair of ivory tablets of the 14th century, four leaves of similar tablets, and a carved pax with the Crucifixion; presented by Sir A. W. Franks. Part of a carved ivory comb.

A considerable collection of pendant ornaments, probably used as horse-trappings during the middle ages.

Long bronze trumpet, found at Romney, Kent, and probably of Spanish origin.

Bases of two Limoges candlesticks or ciboria, 14th century; a Limoges enamel painted in grisaille and signed P.I.; and a German enamel of the 16th century; presented by Sir A. W. Franks.

A silver vernicle, gunner's level of German work, and two pocket dials, one of them dated 1616; presented by Max Rosenheim, Esq., F.S.A.

Split thaler of an archbishop of Salzburg, containing paintings; presented by C. R. Jennings, Esq. Stone mould for finger rings; presented by Dr. Luigi Sambon. Bronze mould with figure of the Virgin and Child; presented by Miss Griffith.

Twenty-three horodeictical instruments of various kinds, including one dated 1491, a German table clock, and a curious Japanese bracket clock.

(5.) *Ceramic and Glass Collections:*—

(a.) *Chinese and Japanese Porcelain, Persian, etc.*—A few additions have been made to the Franks Collection. Plate painted in China with the arms of Dorothy Dowager Countess

Countess of Macclesfield; presented by the Earl of Macclesfield. A large vase of Chinese pottery, and three Malay pots; presented by desire of the late H. M. Becher, Esq. Imari dish with figures and inscriptions; presented by Max Rosenheim, Esq, F.S.A.

Two glazed tiles with inscriptions from Burmah; presented by Major R. C. Temple.

A Persian lustred plate; presented by Henry Willett, Esq. Portion of a thick slab with lustred designs, from Persia; presented by Sidney Churchill, Esq. Two Persian bowls found at Babylon; presented by Sir A. W. Franks. A Persian jug also from Babylon. A hand grenade of Oriental pottery; presented by the Rev. James Beck.

(b.) *Continental.*—A tile from the Alhambra, with Arabic inscription; presented by F. Ducane Godman, Esq., F.R.S. Two decorated tiles from Toledo; presented by Sir John Evans.

A sgraffiato dish with the arms of Medici. A majolica plate with the subject of the Prodigal Son, from the Du Sartel sale, where it was attributed to Lyons; presented by George Salting, Esq., F.S.A. A green majolica plate with coat of arms, six German stove tiles, a Raeren mug, 1581, and a salt cellar; presented by Sir A. W. Franks.

Cylindrical tankard of red Böttcher ware, with coat of arms; presented by Lady Charlotte Schreiber. A Beauvais barrel; presented by Henry Willett, Esq.

(c.) *English Pottery.*—The additions to the Franks Collection have not been important. The others include :—A fine plaque of Bristol biscuit, with the arms of Edmund Burke and his wife; presented by Hugh Owen, Esq., F.S.A., in whose work on Bristol pottery and porcelain an engraving of it appears. A bird's nest in Bristol biscuit, from the Fry Collection; presented by G. H. Vizé, Esq.

Two vessels of pottery, and support from a kiln found in the moat of Ford Castle, Northumberland; presented by Albert Hartshorne, Esq., F.S.A.

A Wedgwood plate with badge of the Prince of Wales; presented by C. B. Farmer, Esq. Derby porcelain group representing a potter at his wheel; presented by Henry Willett, Esq.

(d.) *Glass.*—An Egyptian gilt wood pectoral inlaid with glass, and explaining the use of the detached pieces of glass often found in Egypt. Fragments of glass with coloured designs in various stages of manufacture from Tell-el-Amarna, Egypt, and a fragment of engraved glass from Coptos; presented by H. Martyn Kennard, Esq. Nine Arabic bottle stamps, and weights from Egypt; presented by Sir A. W. Franks.

Glass bottles of the Roman period from Tyre, Athens, and Amiens, and two others of unusual character found in the East.

A very remarkable goblet of Venetian glass of the fourteenth century enamelled with figure of the B. Virgin and Child, with inscription and gilt details. This and another goblet already in the Museum with the name of Magister Aldrevandinus as the maker, appear to be the only known Venetian examples of so early a date. From the Adrian Hope Collection.

Two painted German goblets with coats of arms and dates 1606, 1607.

Two Chinese glass bowls, with the date of the period Keenlung (1736–95) and a Chinese box of emerald glass elaborately carved in relief; presented by Sir A. W. Franks.

A medallion of Andrew Marvell by Tassie; presented by Max Rosenheim, Esq. A wine glass inscribed "The Immortal Memory," made probably for the Orange party in the North of Ireland; presented by Albert Hartshorne, Esq., F.S.A., and two old English wine bottles, one with the arms of Sir John Newton, Bart.; presented by the Rev. H. N. Ellacombe.

Some additions to the antique series from Amathus in Cyprus have arrived, but for the present are exhibited with other objects found in the same excavations.

(6.) *Collection illustrating various Religions:—*

(a.) *Christianity.*—Vase of rock crystal, bronze dove and cross, from a Byzantine church in the East; bronze ewer from a Coptic monastery, and a Byzantine bronze lamp and stand.

Two Christian seals for jars, lamp and fragments of pottery from Coptos; presented by H. Martyn Kennard, Esq.

Christian gem with inscription, Byzantine cameo, and four Christian lamps; presented by Sir A. W. Franks.

Two prints on linen and paper with Saints of the Greek Church; presented by Miss Griffith.

(b.) *Islamism.*—A rich binding from a Koran; presented by Charles Wertheimer, Esq.

(c.) *Buddhism.*—A large stone alms-bowl from a temple in Burmah; presented by Major R. C. Temple.

Various illustrations of Buddhism, including a very remarkable collection made in Tibet by Surgeon-Major L. A. Waddell, described by him in his work on the "Buddhism of Tibet," and other specimens from Burmah, Siam, China, and Japan, as well as some illustrations of Brahmanism; presented by Sir A. W. Franks. A Lamaistic banner and two charms from Tibet; presented by Surgeon-Major L. A. Waddell.

A large

A large number of Japanese religious woodcuts; presented by William Gowland, Esq., F.S.A. A Chinese glass amulet enclosing a Buddhist figure; presented by Mrs. Fox Brough. A priest's arm-sling used by the Shingon sect in Japan; presented by Tsunegusu Minakata, Esq.

(6.) *Oriental and Ethnographical:—*

A Saracenic helmet, with the stamp of the Sultan Muhammad II., and a Persian dagger; presented by Sir A. W. Franks.

A copperplate grant of Dhruvasena I., A.D. 536—537; presented by James Burgess, Esq., LL.D.

Twenty-three ancient Chinese bronzes with Arabic inscriptions, two bronze animals inlaid and jewelled, incense burner, bronze vase, jade vase finely carved, all from China, and a Japanese enamelled bowl; all presented by Sir A. W. Franks.

Steatite relief of a Chinese warrior; presented by W. G. Cavendish Bentinck, Esq., M.P. Gambling implements used by the Chinese in Pahang; presented by Captain d'Arcy Symonds. Chinese bronze bowl found at Dover; presented by Charles Dawson, Esq. Gambling counters and weights from Burmah; presented by Major R. C. Temple.

Thirteen Corean fans; presented by Mrs. Bunker; two knives, with chopsticks, from Corea; presented by E. H. Fraser, Esq.

Among the ethnographical objects may be mentioned:—

Asia.—Silver girdle worn by Kling girls in Penang; presented by Dr. W. G. K. Barnes. Dyak fire-syringe, and other objects from Borneo; presented by G. D. Haviland, Esq. Veddah powder flask; presented by Andrew Murray, Esq.

Africa.—A number of beads, nails, etc., of gold, from the ruins of Zimbabwe, Mashonaland; presented by Colonel Rhodes. Pair of boots from Kuha, Central Africa; presented by Alfred Littler Jones, Esq.

Oceania.—Seven large carvings in wood from a "pah" in the Bay of Plenty, New Zealand. A Fiji neck ornament of whale tooth; presented by Y. G. Lloyd-Graeme, Esq. Bark cloth from Fiji, girdles, etc.; presented by Francis S. Baxendale, Esq. Spinning-top from Kuranda, North Australia; presented by W. S. Day, Esq. Grinding-stone, etc., from Western Australia; presented by Carl B. Luffmann, Esq.

America.—Collection of stone implements, from Newfoundland; presented by the Rev. Arthur Pittman. Four vases of pottery from a cave in British Honduras; presented by Hugh Price, Esq.

III.—Christy Collection.

Four hundred and ninety-nine additional slips have been prepared for the Registration Catalogue, with careful sketches of the objects.

The following donations have been received by the Christy Trustees, and by them transferred to the Trustees of the British Museum :—

1. *Prehistoric Antiquities of Europe, Asia, and Africa :—*

Three drift implements from San Isidro, Madrid ; presented by Sir John Evans, K.C.B.

A flint arrowhead with parallel flaking, found at Bridlington ; presented by Thomas Boynton, Esq., F.S.A.

An important series of objects of stone, horn, etc., from the Swiss Lakes, chiefly from the collection of Dr. V. Gross ; three stone implements from Finland, and a flint arrowhead in an antique mount of silver from Tuscany ; all presented by Sir A. W. Franks.

Two stone arrowheads from Persia ; presented by Sidney Churchill, Esq.

A number of minute implements of chert and chalcedony from the Vindhya Hills, India (Carlyle Collection) ; presented by Sir A. W. Franks. A series of drift-like implements from the Singrauli Basin, S. Mirzapur ; presented by John Cockburn, Esq.

2. *Ethnography of Africa :—*

Weapons from the Masai, specimens from the Kilimanjaro district, and a head-dress from the Congo ; presented by Sir A. W. Franks.

3. *Ethnography of Asia :—*

A curiously-carved whistle for decoying quails, and two brass tobacco pipes with instruments, from Persia ; presented by J. Romilly Allen, Esq., F.S.A. Scot.

A number of objects from Tibet ; a series from Siam ; a bronze gong from Burmah, and three Indian daggers ; presented by Sir A. W. Franks.

Iron poisoned arrows from the Akas of Assam ; presented by Surgeon-Major L. A. Waddell.

A pottery bell, colours used for caste marks and other objects from Mirzapur ; presented by Henry Balfour, Esq.

A box of gutta-percha from Borneo ; presented by C. A. Bampfylde, Esq. A stone gouge from Perak ; presented by Sir Hugh Low, G.C.M.G. A knife from the Battaks of Sumatra ; presented by Geoffrey Ransome, Esq.

4. *Ethnography of Oceania and Australasia :—*

A carved wooden tobacco pipe, from High Island; presented by Henry Griffith, Esq., F.S.A.; and a carved wooden box from New Zealand; presented by Mrs. C. H. Read.

Tomb of a chief, and a number of other interesting specimens from the Solomon Islands; objects from New Guinea, Banks Islands, Gilbert Islands, etc.; presented by Captain Davis, R.N.

A stone axe from Queensland; presented by H. A. Wickham, Esq.; a number of objects from New South Wales; presented by Sir A. W. Franks; and a stone knife set in gum from North Australia; presented by Sir Joseph D. Hooker, K.C.S.I.

5. *Antiquities and Ethnography of America :—*

Three objects of jadeite, from Zapoteca, four ancient Mexican pottery heads, two copper axes from Ecuador, and a fine stone axe from Mexico; presented by Sir A. W. Franks.

A miniature axe-blade of diorite, from Barbados; presented by John Locke, Esq.

A stone-headed club, from the Blackfeet Indians; presented by Mrs. Edmund Thompson.

The Trustees of the Christy Collection have purchased from funds at their disposal, an important example of the ancient Mexican mosaic work in turquoise in the form of a double-headed rattlesnake, to be used as a breastplate; an extensive collection of utensils, tools, etc., from the Maldive Islands; an important series from New Guinea; some ancient stone implements from the Indians of North West America; and specimens from the Eastern Archipelago.

A. Wollaston Franks.

Department of Coins and Medals.

I.—*Re-arrangement of Collections.*

Three mahogany cabinet stands, with shelf space for 216 coin cabinets, have been placed in position in the Medal Room, and the cabinets containing the series of English medals, Italian medals, Mediæval and Modern coins of all countries, and the coins and medals of China, Japan, and the Far East, have been arranged in order upon the shelves. The Freudenthal collection of mediæval and modern copper coins, not yet incorporated with the general collection, and the Townshend collection of Swiss coins deposited on loan by the South Kensington Museum, have also been placed in the new stands.

II.—*Exhibitions.*

In the new Desk-cases on either side of the Corridor, on the North side of the Medal Room, a comprehensive selection of English Historical Medals, and a series of the finest Italian *Renaissance* medals and Papal medals (Guide Books to which are already published) have been arranged and labelled.

To these have been added many of the most interesting French, Flemish, Dutch, and German works of the Sixteenth and Seventeenth Centuries, by the best-known medallists.

In the four windows of this corridor have also been placed photographic transparencies on glass of a select series of 45 of the masterpieces of the medallic art, comprising much enlarged reproductions of some of the most beautiful Greek and Roman coins, and of Italian, French, and English medals.

An illustrative selection from the coinage of Great Britain and Ireland from the earliest Anglo-Saxon times down to the present century is in course of preparation, and as soon as this can be completed, the Exhibition Corridor will be ready to be thrown open to the public.

III.—*Registration and Arrangement.*

1. *Greek Series:—*

651 coins, of various parts of the Greek world, recently acquired, have been registered, and 647 incorporated.

The work of writing and placing beneath the coins tickets giving references to the published Catalogues of Greek Coins has been continued, as follows:—*Attica*, 627 tickets; *Mysia*, 373; *Pontus*, 983; *Alexandria*, 2,143 (completing these volumes); *Ionia*, 101; *Troas*, 1,282; in all, 5,509 tickets.

13 coins, hitherto classed as uncertain, have been identified, and incorporated in their proper places.

4 bronze coins of Antoninus Pius, formerly attributed to Caesarea in Cappadocia, have been removed to the Κοινόν of Cyprus, in accordance with the evidence of finds. The bronze coins of Antiochus IV, of Syria, have been removed from the regal series, and placed under the various mints at which they were struck. The coins of Briula, Mastaura, Nysa, and Tralles, in Lydia, have been arranged in chronological order. The series of the coins of Cossura, Gaulos, and Melita have been re-arranged in accordance with the recent work of Albert Mayr.

The duplicates in the series of Crete, the Islands, Mysia, Pontus, Bithynia, Troas, Aeolis, Lesbos, and Ionia, have been removed to a separate cabinet.

The series of Alexander the Great and his successors, and those of Greece Proper, from Thessaly to Peloponnesus, of Crete, the Islands, and of Asia Minor, as far as Pisidia, have been removed to fresh cabinets, of which 30 have been re-

polished

polished and repaired to contain these portions of the collection.

The following collections have been examined, and, where desirable, selections have been made for the Museum :—Two series of miscellaneous Greek coins ; one of bronze coins, the yield of the excavations in Cyprus under the Turner bequest; three of coins brought respectively from Lycia by Mr. G. A. Davies, from Lydia and Troas by Dr. Buresch, and from Mesopotamia by Mr. V. W. Yorke ; and nine series of coins of various parts of Asia Minor and Syria.

Selections of coins have been made to illustrate portions of the following works :—(i.) The Berlin *Corpus Numorum* ; (ii.) the English edition of Furtwängler's *Meisterwerke der griechischen Plastik ;* (iii.) Frazer's edition of *Pausanias.*

In preparation for the Catalogue of Greek Coins, the work of re-arranging the various series in chronological order, and of weighing the specimens in gold and silver, has proceeded as follows :—

For the Catalogue of *Caria,* &c. :—The coins of the dynasts of Caria, and the coins of the Islands Astypalaea, Calymna, Carpathos, Cos, and Rhodes.

For the Catalogue of *Lycia,* &c. :—The coins of Lycia.

For the Catalogue of *Galatia,* &c. :—The coins of the Kings of Galatia, of the Κοινόν of Galatia, and of Ancyra, and Pessinus.

In preparation for the illustration of the Catalogue of *Caria,* &c., casts of all the more important coins have been made.

2. *Roman Series :—*

1 coin, recently acquired, has been registered and incorporated.

A series of 253 Republican and Imperial Denarii, found at Silchester, has been examined, and 39 specimens have been selected for the Museum. A detailed description of the whole has been drawn up for publication in the *Archaeologia.*

A series of Imperial aurei has been examined, and a selection made for the Museum.

3. *English Series :—*

253 Coins, medals, and counters, recently acquired, have been registered, and 308 incorporated.

68 Admission Tickets, from the Freudenthal Collection, have been incorporated.

89 Tickets giving references to the Catalogue of English Coins, Vol. II., have been written and placed in the trays beneath the specimens.

The collection of metallic Admission Tickets to Theatres and other places of public amusement (London and Provincial) has been arranged in a separate cabinet, and several specimens, hitherto unclassed, have been identified.

A selection has been made from the English silver and copper coins from James I to Victoria, for exhibition in electrotype; also from the Scottish series from David I to James V. 178 new labels for the exhibition of English coins have been prepared.

A small hoard of gold coins of James I and Charles I, found at Wonninghall, near Thame, has been examined, and two specimens have been selected for the Museum.

4. *Mediæval and Modern Series:—*

93 coins and medals of various European countries, recently acquired, have been registered, and 86 incorporated.

8 medals from the Bank collection have been incorporated with the General collection.

1,103 French counters and jetons, and 494 Dutch and Flemish counters, jetons and trade tokens, all from the Freudenthal collection, have been incorporated with the General collection.

The cabinets containing the counters of various European countries, the medals of schools and societies, the miscellaneous English tickets, and coin-weights, have been re-arranged and labelled.

The series of Dutch and Flemish counters and jetons has been expanded and arranged chronologically.

The series of medals of Switzerland and of the various countries of North and South America have been removed from the King's Cabinet, and re-arranged chronologically in new cabinets for medals.

The catalogue of the recent find of gold coins at Amersfoort, and a series of Portuguese, Spanish, and Peruvian coins have been examined, and selections made for purchase by the Museum.

The Swiss coins and medals in the Townshend collection have been arranged in accordance with the printed catalogue, and cross-references to them have been added in the General collection. The miscellaneous coins and medals of the same collection have been identified and arranged, and a classified inventory has been made of this portion of the collection.

5. *Oriental Series:—*

The total number of Oriental coins registered and incorporated during the year 1894 is 1,557. In addition to this, 206 coins previously registered have been incorporated, and a list of 113 coins, deposited on loan by the South Kensington Museum, has been drawn up.

Rectifications have been made in many of the series of the coins of Ancient India; the Parthian and Sassanian series have been partly rearranged and expanded, each into two cabinets; the series of the Kings of Characene has been partly arranged and expanded; and the re-arrangement of the

the coinages of the Modern Native Indian States has been continued.

The great collection of the late Major-General Sir A. Cunningham has been examined, and the purely Hindu portion (presented to the Museum) has been separated from the remaining portion, which has since been acquired by purchase.

The large collection of Indian coins formed by the late Dr. C. R. Stülpnagel has been examined, and a selection made of specimens suitable for the Museum.

The following smaller series have also been examined and selections of specimens made therefrom either for presentation to the Museum or for purchase: a collection of counters and coins formed in Burma by Major R. C. Temple, C.I.E.; a collection of Parthian, Persian, and Arab coins submitted by General A. Houtum Schindler; two sets of Indian coins submitted by Mr. C. J. Rodgers; two series of coins of various Arab dynasties; and a series of ancient Chinese coins.

490 cards giving references to the Catalogue of the coins of the Moghul Emperors of Dehli, and 383 cards giving references to the first volume of Additions to the Oriental Catalogue, have been written and placed beneath the specimens.

6. *Indexes:—*

The Index of Prices of English Medals earlier than 1760 sold by public auction has been completed, and arranged with references to Franks' and Grueber's edition of Hawkins' *Medallic Illustrations of British History.*

IV.—*Catalogues.*

Greek Series:—

The Catalogue of the Coins of Troas, Aeolis, and Lesbos, by Warwick Wroth, F.S.A., has been completed and published.

V.—*Acquisitions*, 1894.

The total number of coins and medals added to the National Collection during the year 1894 is 5,783, of which 356 are of gold, 1,995 of silver, 3,347 of bronze, and 85 of other metals, &c.

The average number of annual additions during the last 10 years has been 1,500.

The remarkable increase in the number of additions during the past year is principally due to the acquisition, partly by donation and partly by purchase, of the unrivalled collection

of Oriental coins formed by the late Gen. Sir Alexander Cunningham, R.E., K.C.I.E., C.S.I., a description of which is given below (*see* Sub-section 5).

The total number of specimens in this collection, presented by the heirs and executors of Sir Alexander Cunningham, is 2,069.

Of the remaining 3,714 coins acquired during the year, 248 have been presented, and 3,466 have been purchased. The donations are chiefly due to the generosity of Major R. C. Temple, C.I.E., the Hon. Algernon Bourke, Sir John Evans, K.C.B., the late H. Montagu, Esq., F.S.A., L. A. Lawrence, Esq., the Right Hon. Sir M. E. Grant Duff, John Gordon, Esq., Capt. R. H. C. Tufnell, W. R. Hubbard, Esq., F. Bowcher, Esq., and A. F. Wheeler, Esq.

The notable increase in the number of coins acquired by purchase is chiefly to be accounted for by the fact that special attention has been devoted to the formation of a more representative series of the Municipal bronze currency of the cities of Asia Minor struck during the period of the Roman dominion. As this class of coins is far less costly than the finer works of art of an earlier date, the Museum has been able to acquire, without a special grant, a much larger number of specimens than has been usual in recent years.

In these Greek Imperial coins, the historical value of which can hardly be exaggerated, the British Museum is still very deficient as compared with the collections of Paris and Berlin. The numerous purchases during the past year have, however, contributed largely to improve the series, more especially those of the towns of the western districts of Asia Minor, and of the important islands, Cos and Rhodes, which are now being arranged and catalogued.

In addition to the above-mentioned acquisitions the Lords of the Committee of Council on Education have sanctioned the transfer (on loan) to the British Museum of the collections of Indian and Swiss coins belonging to the South Kensington Museum. The collection of Indian coins, though containing many desirable varieties, is comparatively unimportant; but the collection of Swiss coins, which was bequeathed in 1868 to the South Kensington Museum by the Rev. C. H. Townshend, is by far the most comprehensive series of this class ever formed. The transfer of this invaluable collection to the British Museum cannot fail to be of great advantage to students of the history and numismatics of Switzerland, who will no longer be put to the inconvenience of having to consult cabinets of Swiss coins and medals in two different London Museums.

These two loan collections are not, however, incorporated with the British Museum coins, and are not included in the following table of acquisitions during the year 1894.

In

In the following Table the new acquisitions are classified according to the five principal series to which they belong :—

CLASS.	Gold.	Silver.	Bronze.	Billon.	Lead.	Ivory.	TOTAL.
Greek - - - - - - -	31	164	453	–	–	–	648
Roman - - - - - - -	–	40	–	–	–	–	40
English - - - - - - -	7	43	11	3	2	10	76
Mediæval and Modern - - -	10	42	5	1	–	–	58
Oriental - - - - - - -	308	1,706	2,878	8	61	–	4,961
TOTAL - - -	356	1,995	3,347	12	63	10	5,783

REMARKABLE COINS AND MEDALS.

Among the acquisitions of the past year the following are worthy of special notice :—

1. *Greek Series* :—

(*a*) Archaic Coins, B.C. 700—480.

Macedon.—An interesting silver coin of fine archaic style, weighing 29 grs. On the *obverse* is the bust and right arm of a woman with long plaited hair, caressing with her hand the head of a bull. This type probably represents Europa and the bull.

Euboea (?).—A remarkable archaic drachm exhibiting an entirely new type of a class of coins formerly supposed to be the præ-Solonian currency of Athens, but now generally assigned to Euboea. On the *obverse* is a stag, and on the *reverse* an incuse square divided diagonally.

Eretria in Euboea.—An archaic hemiobol. *Obverse,* Bull's head facing, inscribed with the letter E (for Eretria) ; *reverse,* Cuttle fish, inscribed with the same letter. Important as proving that the bull's head is an Eretrian coin-type, a fact which has been recently questioned by Sir Henry Howorth (*Num. Chron.* 1893, pp. 153—165). *Presented by the late H. Montagu, Esq.,* F.S.A.

Asia Minor.—A selection from a "find" of extremely archaic small silver coins, among which was a considerable number of new and unpublished types. This hoard, which dates from the earlier half of the sixth century B.C., consists

of uninscribed coins, most of which it is, nevertheless, quite possible to attribute to the localities to which they belong from the devices which they bear. The majority of these types are clearly characteristic of Ionian and other towns on the western coast of Asia Minor and in the adjacent islands.

Ionia.—Ancient electrum and silver currency. Eight tritae, six hectae, nine hemi-hectae, one twenty-fourth, one forty-eighth, and five silver coins. The types of these archaic specimens of the primitive coinage of the Ionian coast towns are frequently obscure, but, as examples of the various divisions of the stater current in very early times, they are hardly less interesting on this account, and afford valuable material for metrological researches.

Clazomenae in Ionia.—Three archaic silver coins of the ram's head type. The largest specimen has a lizard beneath the ram's head; *reverse,* Gorgoneion, in incuse square. Both ram and lizard are symbols of Apollo, the god specially worshipped at Clazomenae, and, as the Gorgoneion occurs on early coins of Clazomenae, the attribution of the newly discovered specimens to that town may be accepted as all but certain.

Camirus in Rhodes.—A fine and rare archaic silver stater. *Obverse,* Fig-leaf. *Reverse,* Incuse square.

Lycia.—An archaic silver stater which is in style a connecting link between the earliest Lycian issues and the Lycian currency of the fifth century B.C.

Selge in Pisidia.—A unique archaic silver stater, weighing 157·3 grs. *Obverse,* Gorgoneion; *reverse,* Forepart of lion in incuse square. The attribution of this coin to Selge may be considered as almost certain. This city was a Spartan settlement on the southern slope of the Taurus range, and the largest and richest town in Pisidia. If correctly attributed this is not only the earliest Selgian coin known, but also by far the most archaic stater of this part of Asia Minor.

(*b*) Transitional, fine art, and later coins, B.C. 480 to Imperial times.

Abdera in Thrace.—A beautiful bronze coin of the end of the fifth century B.C. *Obverse,* Head of Apollo, around which is the magistrate's name, ΕΠ. ΟΡΧΑΜΟ (unpublished).

Thasos.—A gold half-stater. *Obverse,* Head of bearded Dionysos, of the finest style; *reverse,* ΘΑΣΙΟΝ, Herakles kneeling, shooting with bow; the whole within an incuse square. This exquisite gold coin was probably struck about the

the year B.C. 411, when Thasos revolted from Athens. Only two other specimens are known, one of which is in the Bibliothèque Nationale at Paris, and the other in the Royal Collection at Berlin.

Thrace (?).—Two gold double staters, bearing the name of Philip of Macedon. These coins come from a hoard discovered some years ago in the neighbourhood of Constantinople. They are unmistakably of barbarous work, and were probably struck by one of the Gaulish or Thracian chiefs, who made yearly raids upon the territory of Byzantium in the early part of the third century B.C., and who exacted an annual tribute from that city ranging from 3,000 to 10,000 gold staters.

Homolium in Thessaly.—A bronze coin of the fourth century B.C. *Obverse,* Head of bearded hero ((Philoktetes ?) wearing conical pileus ; *reverse,* ΟΜΟΛ, Coiled serpent. The coins of this town, which was situate near the vale of Tempe in Thessaly, are of extreme rarity.

Larissa in Thessaly.—A silver drachm, struck between B.C. 400 and 344. On the *obverse* is a fine head to the front of the Nymph Larissa, and on the *reverse* a man holding a horse ; a type new to the Museum. This coin was formerly in the famous Photiades collection.

Meliboea in Thessaly.—A silver quarter-drachm of great beauty, B.C. 400—344. *Obverse,* Head of Nymph facing, crowned with grapes and ivy :—*reverse,* ΜΕΛΙΒΟΕ, Vine-branch. This is the only silver coin of Meliboea at present known.

Methydrium in Thessaly.—A fourth century bronze coin. *Obverse,* Female head ; *reverse,* ΜΕΘΥΔΡΕΙΩΝ (?), Nike holding two wreaths. This is the first specimen in bronze which has been found. From Steph. Byzantinus, the only ancient writer who mentions the town, the form of the ethnic ΜΕΘΥΔΡΙΕΩΝ might be expected, as he gives Μεθυδριεύς as the ethnic of another town of the same name in Arcadia.

Peloponnesus. Achaean League.—Seven silver coins of the third and second centuries B.C., bearing the mint-marks of the towns of Patrae, Antigoneia (Mantineia), Pallantium, and Elis.

Hyrtacina and Lisus in Crete.—A small gold coin bearing identical types on the two sides, viz., a flying Dove. On one side is the letter Υ, and on the other Λ, the initials of the names of the two allied cities (cf. Svoronos, *Num. de la Crète ancienne.* Pl. xviii. 16).

Myrina in Crete.—A hemidrachm. *Obverse,* Female Head in sphendone; *reverse,* MY, Bull's head in incuse circle. To this town, the existence of which is only known from a single mention of it in Pliny (*N.H.*, xii. 59), only two silver coins have been attributed. This half drachm is new and unpublished.

Sybritia in Crete.—A unique drachm, similar in type to the fine didrachm which the Museum acquired in 1889, and equally remarkable in point of style.

Pergamum in Mysia.—A gold stater of the highest rarity. *Obverse,* Head of young Herakles; *reverse* Archaic figure of Athena Polias armed with spear and shield. The only two other known specimens of this gold coin were discovered at Saida (Sidon) in 1852, and are now in the Paris and Berlin Museums. The coin was first published by the late M. Waddington (*Rev. Num.* 1865), and the occasion of its issue has recently been determined by M. J. P. Six (*Num. Chron.* 1890, p. 200), who has, on good grounds, attributed it to the young Prince Herakles, a son of Alexander the Great by Barsine, the lady whom he appointed to be ruler of Pergamum. After Alexander's death the young Prince Herakles asserted, in B.C. 310, his claim to the throne of Macedon, and raised troops, for whose payment he presumably caused these coins to be struck at Pergamum.

Neandria in Troas.—A fifth century hemiobol. *Obverse,* Helmet; *reverse,* Grain of corn. The silver coins of this town are very rare, and this specimen is of a new type.

Aegae in Aeolis.—A tetradrachm, struck about B.C. 189; one of a class of large flat coins issued by most of the important cities of Asia Minor after the defeat of Antiochus the Great by the Romans, B.C. 190. On the *obverse* is a head of Apollo Chresterios (cf. inscr. in Bohn and Schuchhardt, *Altertümer von Aegae,* p. 47, Berlin, 1889). On the *reverse* is a standing figure of Zeus Boulaios (?). This coin is in excellent preservation and of extreme rarity, only one other specimen being known.

Smyrna in Ionia.—A fine tetradrachm of the same period as the preceding, bearing the name of the eponymous magistrate, ΔΙΟΝΥΣΙΟΣ ΒΑΥΣ. This tetradrachm is one of a very rare series, and is additionally interesting from the fact that it has two names on the *reverse.* Whether the abbreviation ΒΑΥΣ stands for the nominative or the genitive of the very unusual Ionic name Βλύσων is a doubtful point. In the former case two magistrates' names would be recorded.

Smyrna in Ionia.—Two silver drachms of the second century B.C. *Reverse,* Homer seated. Magistrates' names, ΕΡΜΑΓΟΡΑΣ

ΕΡΜΑΓΟΡΑΣ and ΝΙΚΟΣΤΡΑΤΟΣ. These drachms are of considerable rarity.

Samos.—A rare tetradrachm, struck about B.C. 394, with a new magistrate's name, apparently ΕΠΙΒΑΤ[ΗΣ].

Rhodos in Rhodes.—An interesting series of silver and bronze coins, dating from the foundation of the city, B.C. 408, down to the time of the Empire. The silver coins are didrachms, drachms, and smaller divisions, all inscribed with new magistrates' names and symbols. Many of these are unusually interesting as fine works of art. The bronze coins are the pick of a recent hoard of fourth century specimens, bearing symbols, and in some cases letters, hitherto unpublished.

Rhodos in Rhodes.—A drachm struck shortly after B.C. 166, bearing the name of ΑΡΤΕΜΩΝ, accompanied by an ivy-wreath as an adjunct symbol.

Sardes in Lydia.—An unpublished Cistophorus, inscribed with the letters ΣΑΡ. Κ. and ΔΗ. The adjunct symbols are a caduceus and a horned lion with spear in his mouth. The cistophori of Sardes are of high rarity, and before the acquisition of this coin there was but one specimen in the British Museum.

(*c.*) Coins of Imperial Times. Augustus to Gallienus and Salonina.

Aegium in Achaia.—A bronze coin. *Obverse,* ΑΙΓΙΕΩΝ, Head of Zeus; *reverse,* ΗΜΙΟΒΕΛΙΝ, Infant Zeus suckled by she-goat, between two trees surmounted by an eagle. Mythologically, this is a type of much interest (cf. Strab. viii., 387,—*ἱστοροῦσι δ' ἐνταῦθα καὶ τὸν Δία ὑπ' αἰγὸς τραφῆναι*). The form *ἡμιόβελιν* for *ἡμιώβολον, ἡμιωβόλιον* or *ἡμιωβέλιον* occurs nowhere else.

Caesarea Germanica in Bithynia.—Sept. Severus. Bronze. *Reverse,* Temple. The coins of this city have only quite lately been distinguished from those of Germanicia Caesarea in Commagene. (*See* Head., *Hist. Num.*, p. 438.) The town was probably situate on the Lake Apolloniatis, and it was connected with the Propontis by the navigable course of the River Rhyndacus.

Nicaea in Bithynia.—Marcus Aurelius. Bronze. *Reverse,* Aegipan with pointed cap, two flutes in right hand, and wine-skin in left; behind him a small ithyphallic term. This type is quite new to the Museum.

Prusa ad Olympum in Bithynia.—Trajan. Bronze. *Reverse,* ΠΡΟΥCΑЄΙC, ΔΙΑ ΟΛΥΜΠΙ[ΟΝ]. A fine coin bearing a figure of the Olympian Zeus enthroned, and serving

to correct the inscription in *Hist. Num.*, p. 444, where it is given as ΠΡΟΥCΑЄΩΝ ΔΙΑ ΟΛΥΜΠΙΟΝ.

Pergamum in Mysia. — Augustus. Bronze. *Reverse,* Tetrastyle temple, beneath which NЄΩ, chronicling an earlier mention of the Neocory of Pergamum than any hitherto published coin.

Stratonicea ad Caicum in Mysia.—Julia Mamaea. Bronze. An interesting addition to a series of coins which has been only recently distinguished (Head *Hist. Num.* p. 466) from the coins of the better known Stratonicea in Caria.

Alexandria Troas.—Maximus. Bronze. *Reverse,* Apollo in stooping posture. This type is discussed by Furtwängler and Weil, who take it to be a copy of the famous Apollo Smintheus of Skopas, a hypothesis which is, however, rejected by Wroth (Cat. Gr. C. *Troas,* &c., Introd., p. xvii.)

Cyme in Aeolis.—Sabina. Bronze. *Reverse,* Eirene nursing infant Plutos; possibly copied from the group by Kephisodotos mentioned by Pausanias (I. 8. 2), *Εἰρήνη φέρουσα Πλοῦτον παῖδα.*

Ephesus in Ionia. — Antoninus Pius. Bronze. *Reverse,* ΙΕΡΑ ΑΠΗΝΗ. The sacred processional car of the Ephesian Artemis.

Magnesia in Ionia. — Gordian III. Bronze. *Reverse,* The legendary Hero Prothoos, accompanied by his name ΠΡΟΘΟΟC (Hom. *Il.* II. 758) sacrificing before the statue of the goddess Leucophryene, the local form of Artemis.

Teos in Ionia.—Bronze. *Obverse,* Head of the poet Anacreon, a native of Teos. He is represented bald and bearded, in conformity with the received tradition, derived no doubt from his later poems.

Cidramus in Caria.—Julia Maesa. Bronze. *Reverse,* The god Mên, standing, holding a pine-cone, and placing his foot on a bull's head. An interesting type, as illustrating the subject of Moon (?) worship in Caria.

Cnidus in Caria.—Caracalla and Plautilla. Bronze. *Reverse,* The Cnidian Aphrodite and Asklepios facing one another. The Imperial coins of Cnidus are exceptionally rare. Before the acquisition of this coin there was only one in the Museum.

Stratonicea in Caria.—An unpublished and probably unique silver coin struck in the reign of Antoninus Pius. On the *reverse* is a figure of the god Zeus Panamaros on horseback, and a magistrate's name ΦΛ. ΑΡΙCΤΟΛΑΟC.

Trapezopolis

Trapezopolis in Caria.—Bronze, with the name of a magistrate T. ΦΑ. ΜΑ . . ΛΥCIOV preceded by the rarely employed preposition διά in place of the usual ἐπί.

Rhodos in Rhodes.—A large bronze coin of early Imperial time with a new magistrate's name, ΕΠΙ ΑΠΟΛΛΩΝΙΟΥ.

Magnesia ad Sipylum in Lydia.—Augustus and Livia. Bronze. Important for the inscription, ΔΙΟΝΥΣΙΟΣ ΔΙΟΝΥΣΙΟΥ,—ΚΙΛΑΣ ΙΕΡΕΥΣ ΣΕΒΑΣΤΟΥ.

Philadelphia in Lydia.—Elagabalus. Bronze of the 3rd Neocory of the city, bearing the name of the eponymous Archon, Hermophilos, and a table inscribed with the name of an agonistic festival.

Thyatira in Lydia.—Severus Alexander. Bronze. *Reverse,* Naked male figure with right foot resting on bucranium and carrying in his arms a serpent which feeds from his left hand; his left elbow rests on a column. This type would seem to be copied from some statue of the god Mên, though it differs in its attributes from the other types of that divinity.

Ancyra in Phrygia.—Antoninus Pius. Bronze. *Reverse,* ЄΠΙ ΑV. ΛΟΥΠΟΥ ΑΡΧ[ΟΝΤΟC], Zeus holding an anchor; the badge of Ancyra.

Eriza in Phrygia.—Caracalla. Bronze. *Reverse,* ΕΠ. ΙΕ-[Ρ.Γ.] ΑΠΟΛΛΩΝΙΟΥ ΑΛΕΞΑ; The god Mên on horseback; an unpublished coin of a city on the borders of Phrygia and Caria, of which very few specimens exist (*cf. Z.f.N.* X. p. 56).

Laodicea in Phrygia.—Bronze. *Reverse,* Asiatic goddess and inscription Π. ΚΛ. ΑΤΤΑΛΟC ΑΝΕΘΗΚΕΝ. Claudius Attalus was a Laodicean Grammateus in the reign of M. Aurelius. He dedicated during his term of office several issues of coins to his native city.

Laodicea in Phrygia in alliance with *Pergamum in Mysia.* —Caracalla. Bronze. *Reverse,* ΛΑΟΔΙΚΕΩΝ ΠΕΡΓΑΜΗΝΩΝ ΟΜΟΝΟΙΑ Τ̂ ΠΗ. The date (year 88) is unexplained, but probably refers to some event of local interest which took place in Trajan's reign in A.D. 129.

Prymnessus in Phrygia.—Bronze. *Reverse,* Seated figure holding pomegranate and sceptre. Probably the Zeus καρποδότης of Prymnessus (see Ramsay, *Ath. Mittheilungen,* VII. 135.)

Perga in Pamphylia.—Gallienus and Salonina. Bronze. *Reverse,* Agonistic table and urn inscribed with the name of a local festival, ACVAIA ΠVΘIA. Beneath the table IE[PA].

Perga in Pamphylia.—Tacitus. Bronze. Of this emperor, who reigned only 200 days (A.D. 275–6) after the death of Aurelian, the Greek coins are of the greatest rarity. Alexandria in Egypt and Perga in Pamphylia are the only towns of which coins of Tacitus are known. The newly-acquired specimen bears the type of Zeus seated, holding a prize urn, and the inscription TAKI[T]IOC MHTPOΠOΛITIOC ΠЄPΓAIΩN, showing that Games were instituted by the Emperor Tacitus at this city, the Metropolis of Pamphylia.

Codrula in Pisidia.—Julia Domna. Bronze of the greatest rarity. The only two hitherto known coins of Codrula are in the collection of the late M. Waddington, concerning which he says (*Mélanges* I. 33) that they are the only evidence for the orthography of the name of a city which appears under various blundered appellations in the *Ecclesiastical Notices,* in the *Acts of the Council of Chalcedon,* and in Hecataeus of Miletus as cited by Stephanus Byzantinus.

Verbe or Verbis in Pisidia.—Philip Jun. Bronze. Of this town, the site of which has only recently been ascertained at about three miles south-east of Andeda, no coins were previously known of so late a date as Philip II, A.D. 244–249.

Anazarbus in Cilicia.—Elagabalus and Paula. Bronze. *Reverse,* recumbent figure of the god of the River Pyramos, on the banks of which Anazarbus stood.

Cennatis in Cilicia.—Philip Jun. Bronze, unique. *Reverse,* Tyche standing before the personified city: inscribed KENNATΩN.

Mopsus in Cilicia.—Claudius. Bronze, finely preserved, Date 110 (= A.D. 42) according to the era of the city.

Tripolis in Phoenicia.—Julia Domna. Bronze. *Reverse,* ΔIOC AΓIOV, Two temples and date ΓKΦ (= 523 = A.D. 211).

Laodicea ad Mare in Syria.—Augustus. Silver. Tetradrachm; from the Northwick Collection. *Presented by the late H. Montagu, Esq.,* F.S.A.

2. *Roman Series:*—

Thirty-nine denarii of Roman emperors from Trajan to Commodus, selected from a hoard recently discovered at Silchester. *Presented by H. M. Treasury.*

A denarius

A denarius of Carausius with *reverse,* CONSER. AVG. Neptune seated holding an anchor.

A collection of sulphur casts of Roman and Greek Imperial coins and medallions in the Vatican. *Presented by Mme. Louis Patricot.*

3. *English Series* :—

Eleven silver pennies of Henry I, of the Derby, Exeter, London, Northampton, Sandwich, Southwark, Tamworth, and Thetford mints.

A rare brass medal of Admiral Vernon, 1739, with the inscription, "In Portobello ther's not his fellow."

A bronze medal of the Royal Agricultural Society, struck in 1802. *Presented by Ernest Clark, Esq.*

A bronze medal, designed by G. Frampton, A.R.A., issued to commemorate the 500th anniversary of the opening of Winchester College, 1893. *Presented by Cecil Harcourt Smith, Esq.*

A bronze medal commemorating the marriage of the Duke and Duchess of York and their reception in the City of London, on 6th July, 1893. *Presented by the Corporation of the City of London.*

A bronze medal, designed by F. Bowcher, commemorating the visit of H.M. the King of Denmark to the City of London, 8th July, 1893. *Presented by the Corporation of the City of London.*

A silver medal, designed by F. Bowcher, for the School of Painting of A. S. Cope and J. W. Nichol. *Presented by F. Bowcher, Esq.*

A replica in bronze of the High Steward's Medal of the Cambridge University for Natural Science, 1894. *Presented by Lord Walsingham,* F.R.S.

Ten ivory counters formerly used for gambling at White's Club, London. *Presented by the Hon. Algernon Bourke.*

4. *Mediæval and Modern Series* :—

Six silver coins of Christopher II and other early kings of Denmark.

Two silver coins (a "tostao" and "half-tostao") of Emanuel the Fortunate, King of Portugal, A.D. 1495—1521. *Presented by Sir John Evans,* K.C.B.

A "follaro" of Ragusa struck in the 15th century. *Presented by M. H. Auener.*

0.97. A rare

A rare gold coin ("Franc à cheval") of John, Lord of Rummen, A.D. 1415—1464.

A gold "Stella" (4 dollars) of the United States, 1879; a gold five-dollar piece of Salt Lake City, 1850; a United States Pattern Dollar, 1879; and a Goloid Metric Dollar, 1879. *Presented by A. F. Wheeler, Esq.*

A gold coin struck for circulation in Terra del Fuego, 1889. *Presented by Dr. Woolmer*, Concordia, Argentina.

A bronze medal, made by Primavera, about 1585, of the French Poet De Baïf, son of the French Ambassador at Venice under Francis I.

A silver medal of Christian V of Denmark, commemorating his journey from Söes to Oldenborg in 1681. *Presented by the late H. Montagu, Esq.*, F.S.A.

A bronze medal struck in commemoration of the re-conquest of Buenos Ayres in 1806, with busts of the English Commanders, Admiral Popham and General Beresford. *Presented by Senor Don Alessandro Rosa.*

A bronze medal struck in 1894, in commemoration of the Union of Ritzebüttel and Cuxhaven with the territories of the Free State of Hamburg in 1394. *Presented by the High Senate of Hamburg.*

5. *Oriental Series:—*

A magnificent collection of Hindu and miscellaneous Indian coins formed by the late Major Gen. Sir Alexander Cunningham, R.E., K.C.I.E., C.S.I.

Of this great collection, the Hindu section, consisting of 79 gold coins, 579 silver, 1,379 bronze, 6 billon, and 26 leaden pieces, was presented to the Museum by the heirs and executors of Sir A. Cunningham, and the remaining miscellaneous Indian, &c. coins, consisting of 213 gold, 1,043 silver and 1,345 bronze have been acquired by purchase.

Sir Alexander Cunningham's famous collection of coins was the fruit of his lifelong study of the archæology, ancient geography, and history of India. It is by far the most complete collection of Indian coins ever got together, and its acquisition places the British Museum, in this particular, on a level with the requirements of students of the lesser known departments of Indian history and Numismatics. There is no branch of Indian Numismatics unrepresented in this collection, which abounds also in specimens at present unique. The Hindu series was very inadequately represented in the Museum collection before the Cunningham donation. This series, which comprises the Native coinage

coinage of ancient and mediæval India, may now be said to be practically complete.

In the remaining non-Hindu section the following classes and specimens are of special importance:—

8 Gold, 6 silver, and 11 bronze coins of the Scytho-Sassanians and Little Kushans, all new to the Museum, and some of them unique. These are published and commented upon by Sir A. Cunningham in the *Numismatic Chronicle*, 1893.

35 Gold, 18 silver, and 39 bronze coins of the Græco-Indian, Indo-Scythian, and Sassanian series; all rare and specially selected by Sir Alex. Cunningham to fill certain gaps, which he knew to exist in the British Museum Collection.

81 Silver and 54 bronze coins of the White Huns. All the silver and some of the bronze coins are entirely new to the Museum. This series was hardly known before Sir A. Cunningham's article on the subject in the *Proceedings of the Oriental Congress* for 1892.

156 Gold coins of the Kushans, of which as many as 65 are new to the Museum and the rest varieties.

A series of about 800 Parthian and Sassanian silver and bronze coins, collected with infinite care, nearly all the specimens being beautifully preserved.

50 Silver and 3 bronze coins of the Muhammadan kings of Kashmir.

VI.—*Visitors to the Medal Room and the Gold Ornament Room.*

The number of visitors to the Medal Room during the year 1894 was 2,612.

The number of visitors to the Gold Ornament Room during the year 1894 was 20,420.

Barclay V. Head.

X.—British Museum (Natural History).

STATEMENT of Progress made in the Arrangement and Description of the Collections, and Account of Objects added to them, in the Year 1894.

General.

Visitors.

The large increase in the number of visitors to the Natural History Collections recorded in the last Annual Return has been more than maintained, the total during the past year having reached 413,572, being an excess of more than 5,000 over the total in 1893, and giving a daily average of (nearly) 1,330 persons.

Swiney Lectures.

The Swiney Lectures were again delivered in the lecture theatre of the South Kensington Museum (by permission of the Lords of the Committee of Council on Education), the subject chosen by Professor Nicholson on this occasion being "The Making of the Earth's Crust." The course, consisting as usual of 12 lectures given in October, was attended by a total of 2,840 persons, or an average attendance of 237 at each lecture.

As the term of five years for which Professor Nicholson was appointed lecturer on the Swiney Foundation expired on the conclusion of this course, the Trustees have selected Dr. J. G. Garson as lecturer for 1895, and have approved his proposal to take as his subject "The Geological History of Man."

Presents.

A further increase is to be noted in the number of donations to the Museum, some 1,450 separate presents having been reported as received in the various Departments during the year, many of them comprising a large number of specimens. The more important of these are given in detail in the Reports of the Keepers of the several Departments, but the following are mentioned here also as being of special interest:—

From H. R. H. the Prince of Wales.—A light-grey variation of the Common Hare, shot at Wolferton Marshes, near Sandringham.

From

From H. R. H. the Comte de Paris.—An Albino specimen of the Spanish Blue Magpie (*Cyanopolius cooki*), caught near Villamaurique, Seville.

From the Countess of Galloway.—A Hochstetter's Parrakeet (*Cyanorhamphus hochstetteri*) from Antipodes Island; and other valuable birds from islands in the South Pacific.

From the Natal Government, through Sir Frederick Abel.—A collection of Fossils, &c., from Natal, comprising various remains, of cretaceous age, from Umtamvana River; the base of a large silicified tree-trunk from the Jurassic beds east of the Drakenberg Mountains; and 25 rock specimens.

From H. H. Johnston, Esq., C.B., H.B.M. Commissioner and Consul-General for British Central Africa.—A further valuable collection of zoological specimens from Nyasaland.

From the Governors of Cheltenham Hospital, through Dr. E. T. Wilson.—The articulated skeleton of a young Chimpanzee (*Troglodytes niger*), dissected and described by Dr. Edward Tyson in his "Anatomy of a Pygmie" in the year 1699, with a copy of the work.

From F. D. Godman and O. Salvin, Esqrs.—Further valuable consignments of Insects, including two instalments of their collection of Central American Coleoptera of the order Phytophaga, and two instalments of their collection of Butterflies of the Old World.

From Henry Seebohm, Esq.—A further valuable series of specimens of Birds, comprising 354 Ducks and Geese, 58 Grebes, and four Coursers (including the types of *Cursorius hartingi*).

From Surgeon-Lieutenant-Colonel A. S. G. Jayakar.—An interesting collection of animals from Muscat and the neighbouring districts of Arabia.

From St. George Littledale, Esq.—A valuable series of animals obtained by him during his last expedition across Central Asia and China, including two specimens (male and female) of the Camel discovered by General Przwaldski living in a wild state in the mountains east of Lob Nor.

From G. C. Trench, Esq.—The skull of an adult aboriginal Tasmanian.

From James McMurtrie, Esq.—A valuable collection of fossil plants obtained from the Upper Coal Measures of Radstock.

Exchanges.

Exchanges of duplicate specimens have been made as follows:—

Of zoological specimens.—With the Turin Museum; the National Museum, Mexico; the Braniki Museum, Warsaw; Dr. Werner, of Vienna; Mr. Gerrit S. Miller; and Mr. E. Gerrard, Junr.

Of fossils and casts of fossils.—With the Museum of Zoology and Comparative Anatomy of Cambridge University; the Imperial Academy of Sciences, St. Petersburg; the Royal Museum of Natural History, Brussels; the Provincial Museum, La Plata; Mr. B. Sturtz; and Mr. R. F. Damon.

Of minerals and meteorites.—With Professor J. W. Judd, F.R.S.; Professor C. Blomstrand; and Mr. C. S. Bement.

Of botanical specimens.—With Mrs. Tindall, of Leighton Buzzard.

Duplicates.

Further additions have been made to the list of provincial institutions to receive grants of duplicate specimens of natural history.

Segments cut from the surfaces of the section of the great Sequoia trunk now set up in one of the bays of the Central Hall, in preparing it for exhibition, have been presented to the Royal Gardens, Kew, the Museums at Glasgow, Cambridge, Manchester, and Bradford, the Royal College of Science, and the University of Upsala.

Grants of zoological specimens have been made to the London Society for Teaching the Blind, the Royal College of Science, the Museum of Owen's College, Manchester, the Museums of Derby and Sheffield, and to University College, Nottingham; of fossils, to the Royal College of Science and to the University College of South Wales and Monmouthshire, Cardiff; of minerals, to the Museums of Science and Art at Edinburgh and Dublin; and a collection of British woods has been presented to the Surveyors' Institution, Westminster.

Publications.

The following Catalogues have been issued by the Natural History Departments during the year:—

Catalogue of the Birds in the British Museum:—Vol. XXIII. Catalogue of the Fulicariæ (Rallidæ and Heliornithidæ) and Alectorides (Aramidæ, Eurypygidæ, Mesitidæ, Rhinochetidæ, Gruidæ, Psophiidæ, and Otididæ), by R. Bowdler Sharpe. *Pp. xiii.* 353: 9 *coloured plates.* 8vo. 20*s.*

Catalogue

Catalogue of the Snakes in the British Museum (Natural History). Vol. II., containing the conclusion of the Colubridæ aglyphæ, by George A. Boulenger. *Pp. xi.*, 382 : 25 *woodcuts and* 20 *plates.* 8vo. 17*s.* 6*d.*

A Monograph of Lichens found in Britain : being a Descriptive Catalogue of the Species in the Herbarium of the British Museum, by the Rev. James M. Crombie. Part I. *Pp. viii.* 519 : 74 *woodcuts.* 8vo. 16*s.*

A Monograph of the Mycetozoa : being a Descriptive Catalogue of the Species in the Herbarium of the British Museum,, by Arthur Lister. *Pp.* 224 : 78 *plates and* 51 *woodcuts.* 8vo. 15*s.*

Catalogue of the Mesozoic Plants in the Department of Geology, British Museum (Natural History). The Wealden Flora, Part 1., Thallophyta—Pteridophyta, by A. C. Seward. *Pp. xxxviii.*, 179 : 17 *woodcuts and* 11 *plates.* 8vo. 10*s.*

Copies of these works have been distributed among Free Public Libraries and other institutions in Great Britain and Ireland; they have also been presented to many Indian, Colonial, and Foreign Libraries and Museums, and to a number of individuals who have either assisted in the preparation of the Catalogues, or been benefactors to the Museum.

New editions have been published of the under-mentioned Guide-books :—

Guide to the Galleries of Mammalia (Mammalian, Osteological, Cetacean) in the Department of Zoology. *Pp.* 126 : 57 *woodcuts and* 2 *plans.* 8vo. 6*d.*

A Guide to the Mineral Gallery. *Pp.* 32 : 1 *plan.* 8vo. 1*d.*

An Introduction to the Study of Minerals, with a Guide to the Mineral Gallery. *Pp.* 120. With numerous Diagrams and a Plan. 8vo. 6*d.*

An Introduction to the Study of Meteorites, with a List of the Meteorites represented in the collection. *Pp.* 94 : 1 *plan.* 8vo. 6*d.*

The printing of an " Introduction to the Study of Rocks " has been authorised.

Selections of the Natural History publications of the Trustees have been presented to several institutions and individuals.

Arrangements for an exchange of publications have been entered into with various additional British, Colonial, and Foreign Institutions and Societies.

The following Catalogues are in preparation :—

A General Catalogue of the Books in the Departmental and General Libraries.

Catalogue of Birds.—Vol. XXIV. (Waders), by Dr. R. B. Sharpe; Vol. XXV. (Gulls and Petrels), by Mr. H. Saunders and Mr. O. Salvin; Vol. XXVI. (Divers, Pelicans, Cormorants, and Herons), by Dr. R. B. Sharpe; and Vol. XXVII. (Geese, Ducks, &c.), by Count T. Salvadori.

Catalogue of Snakes, Vol. III., by Mr. G. A. Boulenger.

Catalogue of Fishes, Second Edition, Vol. I., by Mr. G. A. Boulenger.

Catalogue of Burmese Arachnida, by Prof. Thorell.

Catalogue of British Lichens, Part II., by the Rev. J. Crombie.

Catalogue of the Welwitsch Collection of Tropical African Plants.

Catalogue of Fossil Fishes, Part III., by Mr. A. Smith Woodward.

Catalogue of Fossil Cephalopoda, Part III., by Mr. A. H. Foord.

Catalogue of the Tertiary Mollusca of Australia and New Zealand, by Mr. G. F. Harris.

Catalogue of Jurassic Bryozoa, by Dr. J. W. Gregory.

Catalogue of Wealden Plants, Part II., by Mr. A. C. Seward.

Central Hall.

The two wall-cases of Bay, No. II., on the left side of the hall, have been arranged so as to show, in a synoptical manner, the generally recognised Orders and Sub-orders of existing Mammals by examples selected to illustrate the predominating characters by which they are distinguished. A brief popular account of the characteristics of the group, and a map showing its geographical distribution, is placed with each. This

This is intended not only for an introduction to the study of the class by visitors to the Museum, but also as a guide to a method of arrangement which may be advantageously adopted in other institutions of comparatively limited resources.

In the same Bay a case has been constructed specially for the purpose of exhibiting a series of preparations showing, in a very complete manner, the stages of dentition of the Horse at different ages. These specimens have been collected for the purpose and presented to the Museum by Mr. Thomas B. Goodall, Fellow of the Royal College of Veterinary Surgeons, of Christ Church, Hants. At present 13 preparations, showing the whole dentition of both sides, are in their places. A few which are still wanting to complete the series will, it is hoped, be supplied during the coming year.

Bay III., devoted to the anatomy of Birds, has received a special addition in a collection arranged to show the general characters of eggs of this class, as exemplified in structure, number, form, size, texture of surface and colour. In Bay IV. has been placed a similar, but necessarily less extensive, series of the eggs of Reptiles, in which the variations are mainly limited to form and size.

Progress has been made in the arrangement of most of the other bays in the hall. The collection illustrating adaptation to surrounding conditions has received several accessions, including a striking series of specimens of an insect (*Flatoides dealbatus*) from the forests of Madagascar. These insects differ remarkably from each other individually, but all closely resemble the particular colour of the lichen-covered bark of the trees upon which they habitually rest, a circumstance which seems well-calculated to afford them protection.

A very notable addition to the botanical series, arranged on the right side of the hall, is a section of a very large Wellingtonia or "Big Tree" (*Sequoia gigantea*), which was cut down in 1892 near Fresno, California. It is about 15 feet in diameter, and perfectly sound to the centre, showing distinctly 1,335 rings of annual growth, and is thus of great interest as affording exact evidence as to the age of this species of tree. The still larger specimens sometimes met with are almost always hollow within, and hence the number of rings cannot be counted. An instantaneous photograph, taken while the tree was being felled, is placed near it, and shows its general appearance. Its height was 276 feet.

General Library.

The additions to the General Library during the past year have been:—

By purchase - - -	408 volumes and	1 map.
By donation - - -	273 volumes and	31 maps.
By transfer from other Departments - -	42 volumes and	32 maps.
Total - -	723 volumes and	64 maps.

All these works have been catalogued, press-marked, and placed on the shelves.

The extent of this collection on the 31st of December was 23,483 volumes and 3,739 maps.

The work of cataloguing the books in the Departmental Libraries was completed early in the year; all subsequent accessions have been dealt with, so that:—

544 title-slips have been prepared and revised for the Botanical Library,

858 Geological,

238 Mineralogical, and

910 Zoological.

2,550 - - Total.

The revision of the headings and cross-references on the title-slips, to bring them into uniformity, has been proceeded with during the greater part of the year, and 33,808 slips have been dealt with.

The number of students and visitors making use of the Library during the year was 461.

W. H. Flower,
Director.

British Museum (Natural History),
30 March 1895.

Department of Zoology.

I.—*Arrangement.*

For several years past notice has been taken in these annual Reports of the progress made in the arrangement of the *Noctuidæ*, one of the large families of Moths. This important work has been completed in the last year; and as it well illustrates the growth of the collections generally, and the amount of labour entailed by this growth, the previous short notices may be supplemented by a few additional remarks.

When the late Mr. F. Walker completed his Catalogue of Moths in the Museum in the year 1866, the *Noctuidæ* occupied five cabinets of 20 drawers each, and were represented by about 7,150 specimens. The ordinary annual additions, together with the Wallace, Pinwill, Lidderdale and Hocking collections of Indian Moths which were acquired in 1875 and following years, rapidly filled every available space in those cabinets, and rendered a re-arrangement, or, at least, an expansion of their contents imperative, the more so as no room could be found for incorporating the North American collections made by Grote (purchased in 1881 and 1882) and by Lord Walsingham (presented in 1887), or the large European series from the Zeller collection (1884).

However, the systematic re-arrangement could not be commenced before 1889. During its progress numerous further acquisitions from every part of the globe were made by purchase or donation, the most important being Professor Frey's European collection (1890); Mr. Duckinfield Jones' collections from Sao Paulo (1888–1889); Dr. Traill's collection from the Amazons (1889); Major Harford's and Colonel Yerbury's collections from N.W. India (1887–1892); large annual contributions, with numerous types, from Colonel Swinhoe's Indian collections; collections made by Mr. Hampson in 1888 in the Nilghiries, or received by him from Travancore (1892–1894); by Mr. E. E. Green (1891) and Colonel Yerbury (1892) in Ceylon; by Mr. G. C. Dudgeon (1894) in Sikkim; by Mr. W. B. Pryer in Borneo (1891 and 1894); Mr. Raynor's Australian collection (1889); and last, but most important of all, Mr. F. Moore's Indian collection (1894).

After all these materials had been arranged in systematic order, the *Noctuidæ* occupied 25 cabinets of 20 drawers each, and are estimated to be represented by 8,930 species and 41,760 specimens. The work entailed the determination and description of a large number of genera and species; alterations in the nomenclature which had to be entered in Walker's printed Catalogues, and of which a record has been

published. Besides, all the type specimens have been ticketed with special conspicuous labels, and a large number of specimens had to be remounted.

Although, on the surface, this work would appear to have occupied Mr. Butler nearly six years, it must be remembered that for at least half of that time he was engaged on other duties as Assistant Keeper of the Department.

In the other sections of the Department the work of arrangement has made progress as follows:—

1. The greater part of the additions to the collection of Mammalia have been entered in the Catalogues as soon as they were examined and named.

2. The arrangement of the Study Collection of Bird-skins has proceeded with the progress of the "Catalogue." This work has absorbed, as in the preceding years, the by far greater portion of the time of the ornithological assistants, and is steadily urged forward towards its completion. But, besides, the series of skins included in volumes 10 and 11 has been expanded so as to gain room for numerous specimens which have been added to them during recent years, and to allow for future accessions. The Waders, Gulls, Petrels, Herons, Divers, Pelicans, Cormorants, Geese, Ducks and Tinamous have been sorted for examination and description in the "Catalogue."

The collection of Bird-skeletons has been transferred from the Western Tower to two rooms in the basement, where they have been thoroughly re-arranged, the accessions being entered in the manuscript list. To facilitate the finding of specimens each box has been marked with a reference to the volume and page of the "Catalogue of Birds." Finally, the re-arrangement of the exhibited series of Birds has been commenced, but, as was anticipated, the history of every specimen which for some reason is removed from the gallery, has to be investigated, with the view of unmounting and preserving it for the study series, in case it should have been described or referred to in ornithological literature.

3. The additions to the collections of Reptiles and Fishes have been incorporated, and for the most part named and entered in the Catalogues. The re-arrangement of the collection of Snakes and of Percoid Fishes has been continued.

4. The species of the genera *Pirula*, *Morio*, and *Lambidium* have been determined and re-arranged. Large and important collections of Mollusca from Central Africa, various islands of the East Indian Archipelago and from West Australia; also a valuable series of deep-sea forms from the Indian Ocean, obtained by H.M. Indian Marine Survey Steamer "Investigator," have been examined and incorporated. In connection with this work the nomenclature

clature of many species already in the collection has been studied and determined.

5. The collections of *Pedipalpi*, *Solifugæ*, and *Aviculariidæ* in the Spirit Building have been arranged and named. The manuscript list of Scorpions has been completed, and similar lists of the *Pedipalpi* and *Solifugæ* have been prepared; progress has also been made with a list of Spiders of the family *Aviculariidæ*.

6. The re-arrangement of the Coleoptera of the family *Galerucidæ* has been completed.

Specimens contained in a number of small boxes forming part of the Pascoe Collection have been incorporated with the general collection.

7. The three specialists engaged upon the arrangement of the collection of Lepidoptera have made satisfactory progress in their work.

The *Morphinæ*, *Limnainæ*, and *Euplœinæ* of the Old World, as well as the genera of *Nymphalinæ*, allied to and including *Euphœdra* of the Godman and Salvin Collection, have been selected, labelled, and incorporated, with cross-references to the Hewitson Collection, as mentioned in the report of last year. Also the collection of Lepidoptera, made by Dr. Gregory in East Central Africa, has been reported on.

In the Heterocerous Lepidoptera the arrangement of the *Phycitidæ* has proceeded as far as the end of M. Ragonot's first volume on this family. The whole of the British Lepidoptera of the Stainton Collection have been examined, and a manuscript list of them has been prepared.

The determination, ticketing, and cataloguing of Walker's types of Lepidoptera Heterocera have been proceeded with, about 720 still remaining to be identified.

8. The perfecting of the British Collection of *Diptera* has been continued, about 1,300 specimens having been added and determined.

9. The collection of *Phasmidæ* has been re-arranged, in accordance with the system proposed by Brunner von Wattenwyl. Recently acquired collections of Neuroptera from Ceylon, Upper Burma, Queensland, and the West Indies have been worked out, reported on, and incorporated.

10. The specimens of Maioid Crabs have been re-arranged, and a complete manuscript list has been made of the species. In the general series most of the hitherto unnamed forms have been referred to their genera, and in the British series, to the species to which they belong. The re-arrangement of the *Cancroidea* has been commenced.

The Spirit Collection of *Polychæta* has been completely re-arranged, and an indexed list of the genera prepared. Ad-

ditions to the Echinoderms and Vermes have been named and incorporated, and all recent acquisitions of Echinoderms recorded in the manuscript list.

11. Manuscript lists of *Hydroida* in three parts (*Campanulariina, Sertulariina,* and *Plumulariina*), as well as of *Spongiida Hexactinellida* have been prepared, and a list of *Spongiida Tetractinellida* has been commenced.

The various collections of microscopic preparations of *Hydroida* and *Spongiida*, amounting altogether to nearly 3,000 slides, have been arranged. The boxes have been labelled with the generic names, and the species arranged alphabetically. Five hundred and thirty-one new preparations of *Tetractinellida*, and 135 of *Hexactinellida* have been added to the collection.

II.—*Registration.*

With the exception of a portion of the Moore Collection, the specimens obtained during the year, whether by purchase, presentation, or exchange, have been entered in the manuscript registers of accessions, and the register-numbers attached to them. For future reference the date and mode of acquisition, the exact locality where the specimens were obtained, the name of the collector, and any other particulars of interest respecting them, are entered.

III.—*Conservation.*

The usual work of conservation has been continued by dusting and cleaning, in rotation, the exhibited specimens, placing the study collections of Bird-skins, Shells, Dried Sponges, Echinoderms, and Polyzoa in glass-topped boxes, and renewing the camphor or naphthaline in the wall-cases, store-cabinets, and some of the Insect drawers. Of other work coming under this heading, the following should be specially mentioned :—

1. Of Mammalia have been mounted for exhibition : a Burchell's Rhinoceros (*Rhinoceros simus*) ; a Bornean Buffalo (*Bubalus arnee*) ; a Beisa Antelope (*Oryx beisa*) ; a Sœmmerring's Gazelle (*Gazella sœmmerringii*) ; an Arabian Thar (*Hemitragus jayakari*) ; and a Kashmir Stag (*Cervus cashmerianus.*

Skeletons have also been mounted of a Long-nosed Monkey (*Nasalis larvatus*), a Wild Camel (*Camelus bactrianus*), and a White Rhinoceros.

2. Five groups, illustrating the nesting habits of British Birds, have been completed, viz. : Chiff Chaff, Snow Bunting, Peregrine Falcon, Hoopoe, and Water Rail.

A number of Picarian Birds, removed from the exhibition-series, have been made into skins, or, if proved to be without special value, consigned to the duplicates.

3. Seven

3. Seven additions have been made to the series of Batrachians, mostly Newts, mounted for exhibition in the Reptile Gallery.

Forty-two skeletons of Percoid Fishes have been prepared.

Among the specimens which were mounted for exhibition, the following deserve special notice :—

The shell and greater part of the skeleton of an extinct gigantic Land Tortoise (*Testudo grandidieri*), from Madagascar; a skeleton of a large fresh-water Perch (*Lates niloticus*), from Egypt; a stuffed specimen of a gigantic Sea Perch (*Epinephelus itaiara*), from the Atlantic Coast of South America; and a specimen, in spirit, of the South American Mud-fish (*Lepidosiren paradoxa*).

4. Among the more important Mollusca, which have been mounted on tablets for exhibition in the Shell Gallery, are a large and beautiful example of *Cypræa aurora, Murex malabaricus, Pleurotoma subcorpulenta, Nassaria coromandelica, Turbo indicus*, and *Dentalium profundorum*.

5. The collection of dry specimens of Scorpions has been cleaned and transferred from the crowded old cabinets into new ones.

6–9. Many thousand specimens of insects have been set; others, which had been badly mounted or placed on short pins, have been either staged or re-set on a higher level, and on the plan now usually adopted in English collections.

Progress has been made with the exhibition-series of Insects in the Insect Gallery, the objects being accompanied by descriptive labels, and, generally, by enlarged drawings of minute forms :—

A series of specimens showing the classification of the Order *Hymenoptera ;*

Specimens illustrating the economy of the Hymenopterous families *Tenthredinidæ, Ichneumonidæ*, and *Braconidæ ;* also a series of specimens illustrative of the manner in which Wasps' nests are formed; nest of a Tree-wasp (*Vespa norvegica*) built in a shrub;

Two small and beautifully-formed nests of a Wasp (*Ischnogaster*) from North Borneo, suspended from roots projecting from a river-bank;

Specimens representing the metamorphoses of the common Blood-worm Fly (*Chironomus*).

To the models illustrating the life-histories of injurious and other Insects, the following have been added :—

Rose, showing the injury and disfigurement caused by a leaf-cutting Bee (*Megachile willughbiella*); Cherry, showing the injury produced by Slug-worms, the larvæ of a Saw-fly (*Blennocampa cerasi*); Red-currant, showing the terminal

shoots injured by the caterpillars of the Red-currant-bud-moth (*Incurvaria capitella*).

The Hymenoptera and Rhynchota, formerly exhibited in the table-cases, have now been transferred to specially-made cabinets, accessible to the public.

10. In the Coral Gallery and annexes several most striking additions have been mounted in separate cases, viz. :—One specimen of *Turbinaria bifrons* and two of *T. mesenterina* of large size ; also two fine specimens of *Madrepora*, all from North-west Australia. The exhibited series of the *Fungiidæ* has been revised, specimens unsuitable for exhibition being placed in boxes. This course has also been commenced in the case of the *Astræidæ*.

Descriptive labels and figures explaining the position in the Zoological scale of the genus *Madrepora* have been placed in the gallery.

IV.—*Duplicates.*

Duplicates were presented to the Museums at Sheffield and Derby, the University College, Nottingham, the Owen's College, Manchester, the Royal College of Science, South Kensington, and the London Society for Teaching the Blind, as follows :—Nine skins or stuffed specimens, four skeletons, and 14 skulls of Mammals; 3,216 skins of Birds; 555 Amphibians and Fishes; 1,254 Shells; 27 Scorpions; and 363 Insects: whilst 14 skulls and skins of Mammals, 311 Birds, six Reptiles and Fishes, and one Leaf-insect were utilised in exchanges.

V.—*Departmental Library.*

The Departmental Library has acquired, by purchase, presentation, or exchange, 64 separate works in the same number of volumes, besides 634 parts of periodicals, and 165 parts of works in progress, 58 of which are now completed. The total number of works now in the Library is 9,967, represented by 16,084 volumes.

All the additions during the year have been entered in the Purchase and Presentation Books, catalogued, press-marked, stamped, and placed on the shelves ; 122 volumes have been bound.

VI.—*Catalogues.*

The following Catalogues have been issued during the year 1894 :—

1. Catalogue of Birds, Vol. XXIII., *Fulicariæ* and *Alectorides* (8vo. 353 pp., 9 plates), by R. Bowdler Sharpe.

2. Catalogue of Snakes (Second Edition), Vol. II. (8vo. 377 pp., 20 plates), by G. A. Boulenger.

In addition to the above, the first volume of a "Catalogue of Perciform Fishes" has been printed, and the printing

printing of a "Catalogue of Burmese Arachnida" commenced. The manuscripts of Volumes XXIV., XXV., XXVI., and XXVII. of the "Catalogue of Birds," and the third volume of the "Catalogue of Snakes," are in course of preparation, and well advanced.

The following are the most important reports or descriptive papers which have been prepared by the Departmental Staff in connection with various parts of the collection, especially recent acquisitions, and have been published in scientific journals :—

1. "On some specimens of Mammals from Oman, S. E. Arabia;" "On the Mammals of Nyassaland;" "On the Dwarf Antelopes of the genus *Madoqua*;" "On some Gazelles brought by Sir E. Loder from Algeria;" "A preliminary revision of the Bornean species of the genus *Mus*;" "On some Mammals from Engano Island, West of Sumatra;" "On a new Armadillo from Bolivia;" "Descriptions of two new species of *Macroscelides*;" "On *Micoureus griseus*, with the description of a new genus and species of *Didelphyidæ*;" "Descriptions of some new Neotropical *Muridæ*;" "On two new Chinese Rodents;" "Description of two new Bats of the genus *Kerivoula*," by O. Thomas.

2. "On a Collection of Birds sent by Mr. A. H. Everett from the Sulu Archipelago"; "Additional list of Birds from Mount Kalulong"; "Additions to the Avi-fauna of Mount Kina Balu"; "Notes on Birds collected in Northern Borneo by Mr. A. H. Everett"; "On a collection of Birds from Mount Mulu, in Sarawak"; "Additions to the Avi-fauna of Mount Dulit"; "On the genus *Diphyllodes*," by R. Bowdler Sharpe. "On the Birds of the Philippine Islands, Parts I.—III."; "On a new species of Guinea Fowl," by W. R. O. Grant.

3. "Report on the collection of Reptiles and Fishes made by Dr. J. W. Gregory during his expedition to Mount Kenia," by Dr. Günther. "On the herpetological fauna of Palawan and Balabac"; "List of Reptiles and Batrachians from Paraguay"; "List of the Reptiles and Batrachians collected by Dr. Modigliani in the Mentawei Islands"; "Second Report on additions to the Lizard Collection in the Natural History Museum"; "On the variations of the Smooth Snake"; "On *Vipera renardi*"; "On the genus *Phryniscus* of Wiegmann"; "Third Report on additions to the Batrachian Collection in the Natural History Museum"; "On the Freshwater Perches of Chili"; "On new Fresh-water Fishes from Borneo"; "On a new Siluroid Fish from Burma"; "On a new Eagle Ray from Muscat," by G. A. Boulenger.

4. "On the Land-shells from the Sulu Archipelago"; "On the *Opisthostomæ* of Borneo"; "Descriptions of two new

species of the genus *Ennea*"; "On some new species of shells from New Zealand and Australia, and remarks upon some Atlantic forms occurring in deep water off Sydney"; "On the Land-shells of West Australia"; "A list of the Land and Fresh-water Mollusca collected by Dr. J. W. Gregory in East Africa during his expedition to Mount Kenia, with descriptions of a few new species"; "Notes on the variation and distribution of *Bulimus oblongus*"; "Natural History notes from H. M. Indian Marine Survey Steamer 'Investigator,' Series II., No. 10, Report on some Mollusca dredged in the Bay of Bengal and the Arabian Sea"; "On a small collection of Land and Fresh-water Shells from Oman, Arabia"; "Notes on the species of *Paludomus* inhabiting Borneo"; "A list of the recent species of the genus *Pirula*, Lamarck, with notes respecting the synonymy," by E. A. Smith.

5. "Contributions to our knowledge of the Diplopoda of Liguria"; "Chilopoda, Symphyla, and Diplopoda of the Malay Archipelago, in Max Weber's Zoologische Ergebnisse einer Reise in Niederländisch Ost-Indien"; "Contributions to our knowledge of the Arthropod Fauna of the West Indies, Part III., Diplopoda and Malacopoda, with a supplement on the Arachnida of the Class Pedipalpi"; "Notes on the Pedipalpi of the family *Tarantulidæ* contained in the collection of the British Museum"; "Notes on the *Thelyphonidæ* contained in the collection of the British Museum"; "A small contribution to our knowledge of the Scorpions of India"; "Scorpions and their geographical distribution," by R. J. Pocock.

6. "New Coleoptera from the Australian Region"; "Description of *Apogonia ferruginea*, Fabr., from the type in the Banksian collection of Coleoptera"; "*Scarabæidæ* in the British Museum, a sixth contribution"; "Some Remarks on the antennæ of Insects," by C. O. Waterhouse.

"On a collection of Coleoptera sent by Mr. H. H. Johnston, C.B., from British Central Africa"; "Supplemental list of the Longicorn Coleoptera obtained by Mr. J. J. Walker, R.N., during the voyage of H.M.S. 'Penguin,' under the command of Captain Moore, R.N."; "A list of the Longicorn Coleoptera collected by Signor Fea in Burma and the adjoining regions, with descriptions of the new Genera and Species"; "On the characters of a new genus and six new species of Longicorn Coleoptera from New Guinea"; "Description of a new Longicorn Beetle of the genus *Diaxenes* which has been found injuring some imported Orchids"; "Descriptions of some new species of *Prionidæ*"; "On some new Longicorn Coleoptera obtained by Mr. Th. Greenfield in Somali," by C. J. Gahan.

7. "On

7. "On a collection of Lepidoptera from British East Africa, made by Dr. J. W. Gregory between the months of March and August 1893"; "On abnormal variability in the antennal characters of *Cosmophila erosa*"; "Notes on the synonymy of Noctuid Moths"; "On the genus *Philometra*, Grote"; "On the Lepidopterous genus *Hexeris* of Grote"; "The North American Noctuidæ of the genus *Ingura*"; "Note on *Eumestleta*, Butl., &c., a group of Noctuæ of the Eublemmine type," by A. G. Butler.

8. "Descriptions of one new genus and six new species of *Hymenoptera Terebrantia* from Queensland"; "List of Butterflies collected by Mr. W. M. Conway in the Karakoran Himalayas"; "Notes on *Mesapia peloria*, Hewitson, and its allies"; "Description of a new species of *Epiphora* (*Saturniidæ*) from Uganda"; "Note on *Dorydium westwoodi* (Buchanan White), with observations on the use of the name *Dorydium*"; "Catalogue of the described Neuroptera Odonata (Dragon-flies) of Ceylon, with descriptions of new species"; "Note on a small collection of Odonata, &c., from Upper Burma, with the description of a new species"; "On a small collection of Odonata from Queensland, with descriptions of five new species"; "On some small collections of Odonata recently received from the West Indies"; "On a new genus and species of *Agrionidæ* from Foo Chow," by W. F. Kirby.

9. "On the Echinoderms collected during the voyage of H.M.S. 'Penguin' and by H.M.S. 'Egeria' when surveying Macclesfield Bank"; "Note on three species of River Crabs of the genus *Thelphusa*, from specimens collected in Eastern Africa by Dr. J. W. Gregory, H. H. Johnston, Esq., C.B., and Mr. F. J. Jackson," by F. J. Bell.

Also, "A visit to Damma Island, East Indian Archipelago," with notes on the Fauna by the Departmental Staff; "A Polynoid with Branchiæ," by Miss F. Buchanan; "On *Benhamia cæcifera*, n. sp., from the Gold Coast," by Dr. W. H. Benham.

Finally, the following works should be referred to, as being largely based upon the collection in the British Museum:—

"Fauna of British India," Moths, Vol. II., by G. F. Hampson.

"The Book of Antelopes," parts 1 and 2, by P. L. Sclater and Oldfield Thomas.

"A Monograph of the Hirundinidæ or Family of Swallows," Parts XVIII.—XX., by R. Bowdler Sharpe and Claude W. Wyatt.

VII.—*Acquisitions.*

During the past year the Department has been increased by the addition of 54,957 specimens, which are distributed among the various branches as follows :—

	By Presentation.	By Purchase.	By Exchange.	TOTAL.
Mammals	560	352	294	1,206
Birds — Seebohm Collection	690	—	—	690
Birds — Godman and Salvin Collections	1,482	—	—	1,482
Birds — Other sources	2,333	1,525	243	4,101
Reptiles	756	413	90	1,259
Batrachians	205	299	41	545
Fishes	407	271	223	901
Mollusca	1,646	567	4	2,217
Bryozoa	27	—	—	27
Crustacea	1,146	92	—	1,238
Arachnida	772	93	11	876
Myriopoda	809	37	—	846
Insecta — Godman and Salvin Collections	8,184	—	—	8,184
Insecta — Moore Collections	—	12,722	—	12,722
Insecta — Other sources	15,174	2,892	124	18,190
Vermes	69	23	—	92
Echinoderms	30	5	55	90
Sponges	61	10	--	71
Anthozoa	127	23	—	150
Hydrozoa	50	--	—	50
Protozoa	20	—	—	20
TOTAL	34,548	19,324	1,085	54,957

as

as compared with 130,185 in the year 1893.
76,011 „ 1892.
48,771 „ 1891.
77,658 „ 1890.
69,270 „ 1889.
44,087 „ 1888.
65,199 „ 1887.
36,358 „ 1886.
123,358 „ 1885.

The most important acquisitions were the following:—

1. The specimens collected by St. George Littledale, Esq., on his last expedition across Central Asia and China. They include fourteen Mammals, among which are skins of specimens of both sexes, and the skeleton of a male, of the Camel, which was discovered by General Przevaldsky to live in a wild state in the mountains east of Lob Nor, in Eastern Turkestan; also twelve Birds, fifteen Reptiles, and ten Fish; presented by St. George Littledale, Esq.

2. A valuable collection from Muscat, Arabia, of forty-one Mammals, including a new species of Wild Goat (*Hemitragus jayakari*) and of a Hare (*Lepus omanensis*), nine Lizards, three Turtles, one Fish, forty-one land and freshwater Shells; presented by Surgeon-Major A. S. G. Jayakar.

3. A further collection, in two instalments, from the Nyassa district of British Central Africa, comprising twenty-six Mammals, among which is the type of a new Hyrax (*Procavia johnstoni*); a hundred and eighty-three Birds, including the type of a new Parrot (*Agapornis lilianæ*), thirty-three Reptiles, five Fishes, twelve land Shells, three hundred and forty-nine Coleoptera, twenty-one Hymenoptera, sixty-nine Lepidoptera, two hundred and sixty Orthoptera, forty-five Rhynchota, fifty Arachnida and Myriopoda; presented by H. H. Johnston, Esq., H.B.M. Commissioner for Nyassaland.

4. A full-grown specimen of Burchell's Rhinoceros (*Rhinoceros simus*), well mounted by Mr. Rowland Ward, and the skeleton of another individual. These specimens together with another were obtained, thanks to the enterprising spirit of the Hon. Walter Rothschild, by Mr. R. T. Coryndon in Mashona Land, where this species still lingers in small and rapidly diminishing numbers; purchased.

5. A series of three hundred and fifty-four Ducks and Geese, fifty-eight Grebes, and four Coursers, which has proved to be of great assistance in the preparation of the volumes of the "Catalogue" which are in course of publication; presented by Henry Seebohm, Esq.

6. One thousand four hundred and eighty-two Birds, representing about fifty species, chiefly of the family *Tanagridæ*, from various parts of America; presented by F. D. Godman, Esq., F.R.S., and Osbert Salvin, Esq., F.R.S.

7. A series of seventy-eight Reptiles and ninety-seven Batrachians, selected from a collection made by Dr. J. Bohls in Paraguay, and containing, besides several new species, specimens of the long-sought-for *Lepidosiren paradoxa*, a Dipnoous fish, of which only three or four specimens had been found subsequently to its discovery in 1837; purchased.

8. The twelfth instalment of Central American Coleoptera, consisting of two thousand five hundred and eighty-five Phytophaga of the family *Cassididæ*, and including one hundred and ninety-eight of the two hundred and twenty-seven species recorded from Central America, and fifty-six types of new species described by Mr. G. C. Champion, in the sixth volume of the Biologia Centrali-Americana;" also two hundred and fifty-two Phytophaga of the family *Hispidæ*, described by the same gentleman in the Supplement to that volume; presented by F. D. Godman, Esq., F.R.S., and O. Salvin, Esq., F.R.S.

9. The first instalment of Central American Orthoptera, comprising five hundred and three specimens of *Forficulidæ*, *Blattidæ*, and *Mantidæ*; representing one hundred and eighty-eight species with eighty-five types. The collections have been described by Messrs. A. de Bormans, H. de Saussure, and Dr. Leo Zehntner in the Biologia Centrali-Americana, and presented by F. D. Godman, Esq., F.R.S., and O. Salvin, Esq., F.R.S.

10. The six first instalments of their collection of Butterflies of the Old World, consisting of four thousand eight hundred and forty-four specimens, and including many type specimens. The completeness and value of this series may be judged from the fact that the genus *Charaxes* alone, which is so much prized by collectors, is represented by not less than three hundred and seventy-nine specimens; presented by F. D. Godman, Esq., F.R.S., and O. Salvin, Esq., F.R.S.

11. The collection of Coleoptera made in the Nilghiries by Mr. Hampson, and consisting of one thousand eight hundred specimens; presented by G. F. Hampson, Esq.

12. The collection of Butterflies of the Subfamily *Satyrinæ*, formed by Mr. F. Moore, consisting of one thousand seven hundred and thirty-two specimens, of which one hundred and thirty are types or co-types of new species; purchased.

13. The first half of the collection of Indian Lepidoptera Heterocera formed by Mr. F. Moore, and long recognised as one of the richest in species of any Indian collection in Europe:

Europe: the present instalment is represented by six thousand two hundred and sixty-five *Noctuidæ*, four thousand five hundred and fifty-nine *Geometridæ*, and one hundred and sixty-six *Phycitidæ*, representing one thousand four hundred and eighty species of *Noctuidæ*, among which are five hundred and eleven types; one thousand one hundred and seventy species of *Geometridæ*, including three hundred and twenty-five types; sixty-seven species of *Phycitidæ*, including twenty-three types; purchased.

14. A series of Lepidoptera Heterocera formerly forming part of the collection of the late W. Wilson Saunders, Esq., and containing a number of types of species described by the late Mr. F. Walker in Parts XXVII. and XXXV. of the "Catalogue;" purchased.

15. A selected series of four hundred and sixty-two Butterflies, and three hundred Moths from Sikhim; collected and presented by G. C. Dudgeon, Esq.

16. Two hundred and ninety-three Spiders from St. Vincent, including the types of a large number of new species named by M. E. Simon; thirty-five Scorpions and Pedipalpi, and a hundred and forty-eight Myriopoda, among which are the types of nineteen new species described by R. J. Pocock, Esq.; also a hundred and twenty-five Odonata embracing the types of four new species, described by W. F. Kirby, Esq., from St. Vincent, Grenada and the Grenadines; six specimens of *Peripatus juliformis* from St. Vincent, and one specimen of *P. dominicæ* from Dominica; presented by the Joint Committee of the Royal Society and British Association for the Exploration of the West Indies.

17. Five hundred and twenty-eight Diptera, of which two hundred and ninety-seven are British specimens referable to one hundred and fifty-eight species, whilst two hundred and thirty-one are types or co-types of one hundred and eleven species of *Syrphidæ*, from various exotic localities, described by the late M. J. F. Bigot; presented by G. H. Verrall, Esq.

Mammalia.—The additions to this class during the year were twelve hundred and six; they include fifty-four species new to the collection, and thirty-six types. The following are most worthy of note:—

The skull of the "Venezuelan patriot Felipe Cervedo," from Puerto Cabello; presented by Arthur Stradling, Esq.

Two artificially distorted Peruvian skulls; presented by Fleet-Surgeon Alfred Corrie, R.N.

The skull of a Tasmanian native, brought home by Lady Franklin; presented by Godfrey C. Trench, Esq.

Two Barbastelles (*Synotus barbastellus*) from Northamptonshire

tonshire and Huntingdonshire; a Beaver (*Castor fiber*) from the Lower Rhone; thirteen small Mammals from Spain, and twenty-two from Cyprus and Palestine; presented by the Right Hon. Lord Lilford.

A fœtal skeleton of *Delphinapterus leucas* from Lancaster Sound; purchased.

Nineteen small Mammals from Guines, Pas-de-Calais; presented by O. Thomas, Esq.

Thirty-eight specimens from Galicia, N. W. Spain; presented by Dr. V. L. Seoane.

A hundred and six small Mammals from Hungary; received in exchange from the Hungarian National Museum, Buda Pest.

A Maltese Weasel (*Putorius africanus*); presented by C. A. Wright, Esq.

Thirty-three small Mammals from Transcaspia, collected by T. Barey; received in exchange from the Branicki Museum, Warsaw.

A Mountain Gazelle (*Gazella cuvieri*) from Biskra; presented by J. J. S. Whitaker, Esq.

The typical specimens of two new Algerian Gazelles (*Gazella loderi* and *G. rufina*); presented by Sir Edmund G. Loder, Bart.

A Somali Zebra (*Equus grevyi*); presented by Colonel Arthur Paget.

Twenty-three skins and skulls of Antelopes from Somaliland, including the types of two new Antelopes (*Madoqua swaynei* and *M. guentheri*), collected by Captain H. G. C. Swayne; presented by P. L. Sclater, Esq., F.R.S.

Four Antelopes of the genus *Madoqua* from Somali-land; presented by Dr. E. Donaldson Smith.

Five skulls and horns of East African Antelopes; presented by Captain F. D. Lugard, D.S.O.

Fourteen small Mammals from Benin; presented by Alvan Millson, Esq.

The skeleton of an adult *Rhinoceros sumatranus* from Sumatra; purchased.

A pair of Monk-Seals (*Monachus albiventris*) from the Desertas Islands, near Madeira; presented by C. F. R. Blandy, Esq.

A stuffed specimen of the Kashmir Stag (*Cervus cashmerianus*) from the Sind Valley, Kashmir; purchased.

Thirty-two Mammals from Formosa, collected by Mr. P. A. Holst; purchased.

Thirty-seven Mammals from Foochow, including the type of a new Bat (*Vespertilio ricketti*); presented by C. A. Rickett, Esq.

Seven heads and horns of *Cervus eldi* and *Cervulus muntjac* from the Mongwar District, Upper Burma; presented by C. F. Gilbert, Esq.

Twenty-five Mammals from Travancore; presented by H. S. Ferguson, Esq.

Four small Mammals from Luzon, including the type of a new bat (*Kerivoula whiteheadi*); presented by the subscribers to the Whitehead Exploration Fund.

A hundred and nine Mammals from Balabac, Palawan, and North Borneo, including the types of *Tupaia palawanensis*, *Mus ochraceiventer* and *M. bœodon*, collected by A. H. Everett, Esq.; purchased.

Thirty-two small Mammals from Eastern Sarawak; presented by Chas. Ernest Hose, Esq.

Forty small Mammals from Sarawak, collected by Chas. Ernest Hose, Esq.; purchased.

Forty-eight Mammals from the hitherto unexplored Natuna Islands, including the types of *Semnopithecus natunæ* and *Sciuropterus everetti*. This group of islands was hitherto zoologically unknown; its exploration was undertaken by the Hon. Walter Rothschild, who engaged the services of Mr. A. H. Everett for this purpose. The second series of the proceeds of the expedition has been acquired for the British Museum.

Ten Mammals from Engano Island, S. W. of Sumatra, collected by Dr. E. Modigliani; presented by the Genoa Museum.

Eight Mammals from Celebes and the Moluccas, including a typical specimen of *Sciurus weberi*; received in exchange from Professor Max Weber.

The skull of an Elephant Seal (*Macrorhinus leoninus*) from the Chatham Islands; purchased.

Thirteen small Mammals from N. America, including typical specimens of several species described by the donor; presented by Gerrit S. Miller, Esq., junr.

Thirty-nine small Mammals from New Mexico, collected by Mr. E. E. Thompson; purchased.

Twenty-eight Mammals from Vera Cruz and Chiapas, Mexico; received in exchange from the National Museum of Mexico.

Thirteen Mammals from Northern Yutacan, and six from Nicaragua; presented by F. D. Godman, Esq., F.R.S., and O. Salvin, Esq., F.R.S.

Thirty-two small Mammals from Venezuela, including the types of two new species (*Oryzomys meridensis* and *O. flavicans*), collected by Mr. A. Mocquerys; purchased.

Three Deer (*Cariacus peruvianus* and *C. artisiensis*) from Central Peru; purchased.

Fifty-two small Mammals from Chanchamayo and Vitoc, Central Peru, collected by Mr. J. Kalinowski, and including the types of six new species; also a specimen of the rare Hairy Armadillo (*Tatusia pilosa*); received in exchange from the Branicki Museum, Warsaw.

Birds.—Six thousand two hundred and seventy-three additions have been made to this class. Of those not already referred to the following are the most worthy of mention :—

A hundred and twenty-four skins from Kashmir, &c.; presented by Dr. J. Aitchison.

Eighty-six specimens from the Shan States, including the types of a small Flowerpecker (*Jxulus clarkii*), and a Scimitar Babbler (*Pomatorhinus imberbis*), new to the collection; presented by E. W. Oates, Esq.

Fifty-five skins, and sixty-one eggs, including two species new to the collection (*Anthus infuscatus* and *Lanius fuscatus*), from Foochow; presented by C. B. Rickett, Esq.

A hundred and fifteen Birds from Luzon, Philippine Islands, including the types of fifteen new species, and three others new to the collection; presented by the subscribers to the Whitehead Expedition Fund.

Sixty-five specimens from Bongao, and Sibutu Island, Sulu Archipelago, including nine species new to the collection, and the types of four species (*Scops sibutuensis, Prioniturus verticalis, Dicæum sibutuense* and *Edoliisoma everetti*), collected by A. H. Everett, Esq.; purchased.

A hundred and seventy-three specimens collected in Borneo by Mr. A. H. Everett; received in exchange.

A hundred and seventy-one specimens from Palawan, Borneo, &c.; presented by A. H. Everett, Esq.

Five Birds from Mount Dulit, N. Borneo, including the type of a new Falcon (*Falco ernesti*), collected by C. E. Hose, Esq.; purchased.

A rare Owl (*Gymnoscops insularis*) from the Seychelles, new to the collection; presented by Chevalier Brooks.

The type specimen of (*Pœoptera kenricki*) from Northern Masai-land, new to the collection; presented by Major R. W. E. Kenrick.

A pair of flightless Ducks (*Nesonetta aucklandica*) from Auckland Island, a pair of Mantell's Apteryx (*Apteryx mantelli*) from North Island, New Zealand, and a pair of a new Bird of Paradise (*Trichoparadisea guilielmi*) from Finisterre Mountains, New Guinea, new to the collection; presented by the Hon. Walter Rothschild.

Sixty bones of Birds, mostly belonging to extinct species from Chatham Island, and New Zealand, including the types of seven new species; collected by Mr. H. O. Forbes; purchased.

Reptiles.—One thousand two hundred and fifty-nine additions were made to this class; the following are noteworthy :—

Ninety-eight specimens from various localities, among which are examples of several species previously unrepresented in the collection; presented by the Zoological Museum of the University of Christiania.

Twenty-nine specimens from Hungary; collected by Professor L. Von Méhely; purchased.

Nine specimens from Greece, and the Ionian Islands, including *Lacerta peloponnesiaca*, *Algiroides moreoticus*, &c.; received in exchange from Dr. F. Werner.

Thirty-eight specimens from Andalusia; received in exchange from Professor Calderon.

A large specimen of *Vipera latastii*, from Andalusia; presented by the late Comte de Paris.

A remarkably large specimen of *Vipera berus* from Belgium; presented by G. A. Boulenger, Esq., F.R.S.

A new Lizard (*Ablepharus festæ*) from Palestine; presented by Count Peracca.

Twenty-nine specimens from the Eastern Littoral of the ersian Gulf; presented by S. Butcher, Esq.

Two specimens of a new Lizard (*Tachydromus holsti*), discovered by Mr. Holst in Shimabara, Japan; and ten specimens from Formosa collected by Mr. Holst, including a new Lizard (*Tachydromus formosanus*); purchased.

Seventeen Snakes from India and the Malayan Peninsula, from the collection of the late Dr. T. Cantor, mostly types of species described by him; purchased.

Forty-two specimens from Ceylon, mostly snakes, selected from the collection of the late Sir C. Layard; presented by Miss Layard.

Ten specimens from the Mentawei Islands, W. Sumatra, including a new Lizard (*Lygosoma modiglianii*); presented by Dr. E. Modigliani.

Twelve specimens from Sarawak; among which is a Snake (*Calamaria bicolor*) new to the collection; presented by H. H. Rajah Brooke.

Thirteen specimens collected in Sarawak, by Charles Hose, Esq.; purchased.

Sixty-seven specimens, among them types of several new species, collected by Mr. A. H. Everett in North Borneo, Balabac, and Palawan; purchased.

Fifteen specimens from Luzon, including two new Lizards (*Lygosoma luzonense* and *L. decipiens*); presented by the subscribers to the Whitehead Exploration Fund.

Four Lizards, new to the collection (*Varanus togianus*, *Lygosoma sanctum*, *Lygosoma florense*, and *Ablepharus furcatus*), from Celebes, Java, and Flores; presented by Professor Max Weber.

Type specimens of a new Lizard (*Lygosoma amabile*), and two new Snakes (*Oligodon tæniurus*, and *Agrophis sarasinorum*) from Celebes; presented by the Doctors Sarasin.

Nine specimens from the Mouth of the Niger; presented by Alvan Millson, Esq.

Twenty-three specimens from the Mouth of the Loango; purchased.

Nine specimens from British Central Africa, including two new Lizards (*Chamæsaura miopropus* and *Ablepharus carsoni*; purchased.

Ten specimens from British East Africa; presented by F. J. Jackson, Esq.

Six specimens from the Kalahari Desert, among which is an Amphisbæna, new to the collection (*A. quadrifrons*); presented by R. J. Cuninghame, Esq.

A new Gecko (*Œdura nivaria*) from the Drakensberg, Natal; presented by R. T. Lewis, Esq.

Eighteen specimens from Madagascar; purchased.

The shell and the greater part of the skeleton of an extinct gigantic Land-Tortoise from Madagascar (*Testudo grandidieri*); purchased.

Eighty-one Snakes from various localities in Mexico and Central America, including the types of several new species; presented by F. D. Godman, Esq., F.R.S.

A Snake (*Hemigenius variabilis*) new to the collection; received in exchange from the Paris Museum.

Forty-three specimens from Nicaragua, among which are several new Lizards and Snakes, collected by the late R. A. Rix, Esq.; presented by W. M. Crowfoot, Esq.

Fifty-two specimens from Nicaragua, including a new Lizard (*Diploglossus bivittatus*), and a new Snake (*Henicognathus venustissimus*); purchased.

Ten specimens from Antigua and Montserrat, West Indies; among which are the types of a new Lizard (*Anolis wattsii*); presented by F. Watts, Esq.

A Lizard (*Phyllopezus goyazensis*), and a Snake (*Aporophis dilepis*) from Paraguay, new to the collection; received in exchange from the Turin Museum.

Four Snakes from Bolivia, including a Boa (*Eunectes notœus*), new to the collection; presented by M. Suarez.

Batrachians.—Five hundred and forty-five additions were received. The most important are the following:—

Twenty-three specimens from Hungary, collected by Professor L. von Méhely; purchased.

Eighteen specimens from Andalusia; received in exchange from Professor Calderon.

Eleven specimens from the Eastern Littoral of the Persian Gulf; presented by S. Butcher, Esq.

A Frog (*Rhacophorus dennysii*), new to the collection, from Foochow, China; presented by G. B. Rickett, Esq.

Nine specimens from Formosa, collected by Mr. Holst; presented by H. Seebohm, Esq.

A large specimen of a rare Cæcilian (*Ichthyophis monochrous*), from Travancore; presented by H. S. Ferguson, Esq.

Ten

Ten specimens from the Mentawei Islands, West Sumatra; presented by Dr. E. Modigliani.

Ninety-seven specimens from North Borneo, Balabac, and Palawan, including several Frogs, new or previously unrepresented in the collection, collected by A. H. Everett, Esq.; purchased.

Nine specimens from Luzon; presented by the subscribers to the Whitehead Expedition Fund.

Type specimens of two new Frogs (*Rhacophorus edentulus* and *Sphenophryne celebensis*), from Celebes; presented by the Drs. Sarasin.

A new Frog (*Hylambates millsoni*), from the Mouth of the Niger; presented by Alvan Millson, Esq.

Twelve specimens from Madagascar; purchased.

Type specimens of two new Frogs (*Rana aluta* and *Rhacophorus libra*), from Madagascar; presented by Count Peracca.

Ten specimens from Nicaragua, collected by R. A. Rix, Esq.; presented by W. Crowfoot, Esq.

Fifteen specimens from Nicaragua; purchased.

Twenty-two specimens from Costa Rica, including a Frog new to the collection (*Rana chrysoprasina*); purchased.

A Frog (*Hyla prosoblepon*), new to the collection, from Costa Rica; received in exchange from the Senckenberg Museum.

A Cæcilia, new to the collection (*Herpele ochrocephala*), from Panama; presented by the Christiania Museum.

Fourteen specimens from the Andes of Venezuela; purchased.

A Cæcilia (*Siphonops paulensis*), new to the collection, from São Paulo, Brazil; presented by Dr. H. von Ihering.

Twenty-one specimens from Theresopolis, Brazil, among which is a new Frog (*Hyla goeldii*); presented by Dr. E. A. Göldi.

Type specimens of two new Frogs (*Hylodes discoidalis* and *Paludicola borellii*) from Tucuman, Argentina; received in exchange from the Turin Museum.

Fishes.—Nine hundred and one specimens were added to the collection during the year; of these the following are the more important:—

Fifty-four specimens, mostly of large size, from the British Coast; purchased.

Specimens of the Alpine Charr (*Salmo alpinus*), from Loch Baily, Banffshire; presented by F. D. Godman, Esq., F.R.S.

An ambi-coloured Turbot (*Rhombus maximus*), from Yarmouth; presented by T. Southwell, Esq.

A partial albino of the Eel (*Anguilla vulgaris*), from Houghton, Stockbridge; presented by H. G. Norman, Esq.

 A gigantic

A gigantic Sea-Perch (*Epinephelus gigas*), from the Coast of Portugal; received in exchange from the Lisbon Museum.

Examples of a Cyprinoid (*Carassius bucephalus*), from hot springs near Salonica; presented by J. Southgate, Esq.

A Sturgeon (*Scaphirhynchus kaufmanni*), from the Amu Daria; presented by A. Newnham, Esq.

Fourteen specimens from Aden; presented by Captain Shopland.

Thirteen specimens collected in Formosa by Mr. Holst, including a new Cyprinoid (*Homaloptera formosana*); purchased.

Sixty-two specimens from Burma, among which is a new Siluroid (*Macrones peguensis*); presented by E. W. Oates, Esq.

Seventy-five specimens from Sarawak, including examples of several species new to the collection; presented by H.H. Rajah Brooke.

Seventeen specimens from Sarawak; presented by Mr. E. Bartlett.

Sixty-four specimens from Sarawak, collected by Charles Hose, Esq.; purchased.

Thirty-five specimens from North Borneo, Balabac and Palawan, collected by A. H. Everett, Esq.; purchased.

The skeleton of a large Perch (*Lates niloticus*) from Fayoum, Egypt; presented by Dr. John Anderson, F.R.S.

Twenty-one specimens from Natal; presented by Colonel Bowker.

A rare Fish (*Pteraclis velifer*) from Mauritius; purchased.

A Perch, new to the collection (*Macquaria australasica*), from Victoria; received in exchange from the Stuttgart Museum.

The type of a new Fish (*Agonus gilberti*) from Kamtchatka; presented by Professor R. Collett.

A hundred and forty-nine specimens collected by Professor C. Eigenmann in various parts of North America; purchased.

Thirty-six specimens from various localities in Mexico, mostly representatives of species recently described by Dr. Bean; received in exchange from the National Museum, Mexico.

A hundred and one specimens from various parts of North Mexico, including types of several new species described by Mr. A. J. Woolman; purchased.

Specimens of a new Amphioxus (*Asymmetron lucayanum*) from the Bahamas; presented by E. A. Andrews, Esq.

Nine specimens from Jamaica; presented by the Institute of Jamaica.

A gigantic Sea-Perch (*Epinephelus itaiara*) from the Coast of Colombia; presented by Captain W. H. Milner.

A very

A very large Siluroid (*Platystoma orbignianum*) from Buenos Ayres; purchased.

Sixty-five specimens from Chili, among which are examples of several species previously unrepresented in the collection; presented by Professor F. Lataste.

Mollusca.—Two thousand, two hundred and seventeen specimens have been added to this class, of which the following are worthy of note:—

Two fine specimens of *Sipho islandicus*, and a variety of *Buccinum undatum* from the British Coast; presented by H. K. Jordan, Esq.

Nineteen specimens of recently-described species of *Melania* from the Corea; presented by Professor E. von Martens.

Fifteen shells from Japan, Amboina, Australia, and Kurrachee, including a specimen of *Bathybembix argenteonitens* and *Donax townsendi;* presented by G. B. Sowerby, Esq.

Sixteen Land-shells from the Bismarck Archipelago; presented by Herr Bruno Strubell.

Forty-three Marine Shells from Thursday Island, Torres Straits; presented by F. A. Bather, Esq.

A very fine and large specimen of the Orange Cowry (*Cypræa aurora*) from Fiji; purchased.

Fifty-three Marine Shells, including species of *Marginella, Tellina, Lucina,* &c., from the Galapagos Islands and California; presented by Lieut. Boger, R.N.

Seventeen Land-shells from the Galapagos Islands, including new species of *Bulimulus, Pupa* and *Succinea;* presented by Dr. Theodore Wolf.

Sixty-nine Land and Freshwater Shells from the Bahamas; presented by Wilfred Bendall, Esq.

Eleven Land-shells from the United States of Colombia and Madagascar, including *Bulimus procteri* and *Cyclostoma philippianum;* presented by S. I. Da Costa, Esq.

Crustacea.—Twelve hundred and thirty-eight specimens have been added to the collection. Of these the following are worthy of special mention:—

A collection of five hundred and seven Crustacea from the West Coast of Scotland, collected and presented by Dr. John Murray, F.R.S.E.

Eighty-five British Amphipods, including small females of *Atylus swammerdami* with ova, and the rare male of *Tritæta gibbosa;* presented by A. O. Walker, Esq.

A hundred and forty-four Entomostraca from the Gulf of Guinea, forming part of a collection reported on by Mr. Thomas Scott in the "Transactions of the Linnean Society"; presented by the Royal Society.

Eleven deep-sea Crustacea from the Bay of Bengal, including, among other species, *Hypsophrys superciliosa* and *Nephropsis carpenteri;* presented by the Trustees of the Indian Museum, Calcutta.

A collection from Japan, including specimens of *Linuparis trigonus, Lyreideus tridentatus* and *Lithodes hystrix,* &c.; purchased.

A hundred and fifteen fresh-water Crustacea, from the West Indies, including *Caridina americana* and *Xiphocaris elongata;* presented by the Joint Committee of the Royal Society and British Association for the Exploration of the West Indies.

The collection of 41 Stomatopoda recorded some years ago by Professor W. K. Brooks in the "Challenger" Reports; presented by the Lords Commissioners of H.M. Treasury.

Arachnida.—Eight hundred and seventy-six additions have been made to this class. The following are specially worthy of note:—

A specimen of a Scorpion (*Belisarius xambeui*) from the Pyrenees; two specimens of *Sarax brachydactylus* from the Grotto of Antipolo, Luzon, and two of *Charinus neocaledonicus* from New Caledonia, all new to the collection; presented by M. Eugène Simon.

Sixty-two Arachnida from Egypt; presented by Dr. John Anderson, F.R.S.

Seven Scorpions from Ugogo, East Africa; purchased.

Five Solifugæ and Scorpions from Mombasa, among them a specimen of the genus *Iomachus,* which is new to Africa; presented by P. L. Sclater, Esq., F.R.S.

Three Arachnida from Southern Central Madagascar, including an example of a new Scorpion (*Buthus bentii*); presented by Dr. John Anderson, F.R.S.

Twelve Arachnida from the Sheveroy Hills, including an example of a new Spider of the genus *Haploclastus;* presented by W. M. Daly, Esq.

Fifty-eight Arachnida from Southern India, among which are specimens of the rare genus of Trap-door Spiders (*Acanthodon*); presented by J. R. Henderson, Esq., M.B.

Twenty-three Arachnida, including examples of the rare Pedipalp (*Typopeltis crucifer*) from Central Formosa; purchased.

Thirty-one Arachnida from Singapore, embracing specimens of *Thelyphonus johorensis* and of *Oncopus truncatus,* new to the collection; presented by H. N. Ridley, Esq.

Five Spiders from Kuala Lama and Labuan, Borneo; including an example of a new genus and species of the family *Avicularіidæ;* purchased.

Thirty-one Spiders from Sarawak, among them specimens of two species of *Avicularіidæ,* new to the collection; purchased.

Fifty-one

Fifty-one Arachnida from Guatemala, including four specimens of a new species of *Cleobis* (*C. stollii*); presented by Dr. Otto Stoll.

Five Arachnida from Zaruma, in Ecuador, with a specimen of a new species of Spider (*Lasiodora sp.*), and four specimens of a new Scorpion (*Tityus sp.*); purchased.

Two specimens of *Tarantula reniformis* from Antigua; presented by C. A. Barber, Esq.

Myriopoda.—Eight hundred and forty-six additions have been made to this class. The following are the most noteworthy :—

Nineteen specimens of *Scolopendridæ* and *Iulidæ* from various parts of the Cape Colony; presented by Major R. C. Wroughton.

Twenty-five Myriopoda from the Hadramant, including specimens of a new species of *Spirostreptas* (*S. bentii*); presented by Dr. John Anderson, F.R.S.

One hundred and ninety-eight Myriopoda from South India, among which are new but undescribed species of the genera *Lithobius, Arthrosphæra, Cryptodesmus, Stemmiulus* and *Siphonorhinus*; presented by J. R. Henderson, Esq., M.B.

Thirteen Myriopoda from Singapore, including specimens of new but undescribed species of *Zephronia* and *Siphonorhinus*; presented by H. N. Ridley, Esq.

Twenty-six Myriopoda from Kuala Lama and Palawan, among them a specimen of *Anodontostoma octo-sulcatum*, new to the collection, and examples of new but undescribed species of *Platyrrhachus* and *Spirostreptus*; purchased.

Twenty-two Myriopoda from New South Wales; presented by John MacPherson, Esq.

Two hundred and seventy-five Chilopoda and Diplopoda chiefly from Guatemala, including new species of *Newportea, Geophilus, Lithobius, Leptodesmus, Polydesmus* and *Oxyurus;* presented by Dr. Otto Stoll.

Insecta.—The total number of specimens acquired during the year amounted to thirty-nine thousand and ninety-six; they are distributed among the various orders as follows :—

Coleoptera	8,737
Hymenoptera	958
Lepidoptera	22,423
Diptera	4,470
Neuroptera	352
Orthoptera	1,291
Rhynchota	655
Trichoptera	3
Thysanura	207
Total	39,096

In addition to the collections already referred to, the following are the most important acquisitions :—

(From Great Britain.)

Six Coleoptera (*Eumicrus rufus*), from Croydon; presented by C. O. Waterhouse, Esq.

Eleven examples of *Phymatocera aterrima* and *Blennocarpa fuscula*, from Kew; presented by Dr. A. Günther, F.R.S.

Six Root-galls on plum, supposed to be caused by *Biorhiza terminalis;* presented by Dr. M. T. Masters.

Ten examples of *Dryophanta folii* and five galls made by the same, from Plymouth; presented by G. C. Bignall, Esq.

One thousand eight hundred and nine Diptera and fifty Coleoptera, from the New Forest and South Devon; collected and presented by Lieutenant-Colonel J. W. Yerbury. Among the Diptera are *Psilota atra, Pocota apiformis,* and many other rare species; the *Tipulidæ* and *Limnobiidæ* from Devon being carefully mounted and named by Mr. G. C. Bignell.

A raw bullock's hide containing a large number of Box-fly larvæ (*Hypoderma bovis*), and two pieces of tanned leather, showing the injury done by larvæ of this fly, from England; presented by H. O. Hinton, Esq.

Sixty-three Diptera from Warwickshire, chiefly valuable as a contribution to the British collection; presented by Mr. R. C. Bradley.

Three hundred and twenty-six Diptera, carefully mounted and partly named by the donor, from Hertfordshire; presented by A. Piffard, Esq.

Two hundred and twenty *Psychodidæ*, belonging to thirty-seven species, collected in Dorset, Somerset, and Devon, and co-types of species described by the donor; presented by the Rev. A. Eaton.

(From Europe.)

Eighty-four Coleoptera, from Corsica; presented by G. C. Champion, Esq.

One thousand nine hundred and twenty Coleoptera, all carefully mounted, chiefly from the Mediterranean; presented by J. J. Walker, Esq., R.N.

(From North America.)

Sixty Coleoptera, fifty-nine Lepidoptera, and nineteen insects of other orders, from the Fraser River Valley, in the Cascade Mountains, 800 feet above sea level, 137 miles east of Vancouver; presented by the Rev. J. S. St. John, B.A.

Ten Butterflies and fifty-three Moths, unmounted, from Vancouver, chiefly co-types of species recently described by American authors; presented by W. H. Danby, Esq.

(From Central America.)

A block of mahogany excavated by Termites, and subsequently inhabited by two species of bees, the entrance to the cavity being at a later period closed by the growth of the tree, from Belize; presented by Messrs. Shelton and Son.

(From the West Indies.)

Twelve specimens of *Mastigophorus mirabilis*, an interesting Noctuid Moth, and one Orthopteron from Jamaica; presented by W. Fawcett, Esq.

Two rare Moths (*Ameles palpalis* and *Nocis aurinia*), from Jamaica; presented by Dr. A. Günther, F.R.S.

Forty-nine named larvæ of Lepidoptera, from Jamaica; purchased.

Ninety-six Lepidoptera, from Sta. Lucia, including fine specimens of *Philampelus posticatus*, *Endera sauleyi*, and other rare species; presented by W. H. Rotheran, Esq., R.E.

A Butterfly (*Siderone marthesia*) and six Odonata, from Trinidad; presented by W. E. Broadway, Esq.

Thirty *Formicidæ*, from Trinidad; presented by J. H. Hart, Esq.

(From South America.)

A Hawk-moth, new to the collection (*Gonenyo sp.*), from Demerara; presented by C. A. Schunck, Esq.

Two Moths, new to the collection (*Eloria canescens* and *Thyatira staphyla*), from Parana and Ecuador; presented by W. Schaus, Esq.

(From Africa.)

Thirty Coleoptera, two Diptera (*Tabanus moroccanus* and *Laphria sp.*), and ten other insects, from Cape Spartel, Tangier; presented by T. N. Annandale, Esq.

Thirty-five Coleoptera, thirty Lepidoptera, and three hundred and twenty-five Diptera, from Algeria and Tunis; presented by the Rev. A. E. Eaton; also nine Cicadidæ; collected by Mr. Eaton, and presented by E. Saunders, Esq.

Ninety Coleoptera, among which are the types of four new Longicorns (*Cantharoctenus somalius*, *Taurotagus greenfieldi*, *Prosopocera lutulenta*, and *Pterolophia albocincta*); also a new genus (*Baliesthes*), and seven Diptera, including four Tsetse flies (*Glossina sp.*) from Somali-land; presented by T. Greenfield, Esq.

Twenty-one Coleoptera, twenty-three Lepidoptera, and twelve other insects obtained in East Africa on his journey from Mombasa to the Victoria Nyanza; also twelve Lepidoptera, including undetermined species of *Acræa* and *Pseudacræa* new to the collection, fourteen Hymenoptera, twenty-one

Rhynchota, and three Orthoptera from Uganda; presented by G. F. Scott Elliot, Esq.

Five hundred and eighty-nine Lepidoptera, including ten new species; two hundred Coleoptera, including undescribed species of *Prosopocera, Taurotagus, &c.*; seventy Hymenoptera, sixty Diptera, a hundred and four Orthoptera, fifty-seven Rhynchota, and nine Neuroptera from British East Africa; collected and presented by Dr. J. W. Gregory.

Three examples of the "jigger" or "chico" (*Sarcophylla penetrans*), and a Tsetse-fly (*Glossina morsitans*), not previously known to occur in the Shire highlands where it was obtained; presented by H. H. Johnston, Esq., C.B.

Four Goliath Beetles, and *Oryctes*, and a *Rhynchophorus* from Loisa, mouth of the Loango River; purchased.

Two specimens of *Goliathus giganteus* found in the trunks of ghost palms from Loisa, and two specimens of *Papilio zalmoxis* from Cabinda, N. of the Congo; presented by Miss M. H. Kingsley.

Two examples of a Goliath-beetle (*Goliathus albosignatus*) from the Transvaal; received in exchange from the Hon. Walter Rothschild.

Sixty Butterflies, chiefly referable to the genus *Romaleosoma* from the Croboe District, Accra; presented by G. A. Higlett, Esq.

Ninety-three Lepidoptera, including a fine series of bred specimens of the remarkable Saturnüd moth, *Eudaemonia argus*, an example and two pupa-cases of the Psychid moth, *Metisa sierricola*, three locusts (*Pachytylus migratorioides*), and twelve other insects from Sierra Leone; presented by the Hon. C. B. Mitford.

(From Madagascar.)

Twenty-nine Homopterous insects (*Flatoides dealbata, F. tortrix Cr.*), and sixteen pieces of bark which they closely resemble and upon which they were found four days march east of Antananarivo, Madagascar; purchased.

(From Southern Asia.)

Two hundred and eighty Coleoptera, a hundred and fifty Orthoptera, seventy Hymenoptera, and forty Rhynchota from Hadramaut, Arabia; presented by Dr. John Anderson, F.R.S.

The type specimen of a Hemipterous insect injurious to the tea-plant, (*Heliopeltis theivora*) from Cachar; presented by F. Moore, Esq.

A selection of sixty-one Hymenoptera, fourteen Orthoptera, and eight Homoptera from Mr. Moore's collection, from various parts of India; purchased.

Twenty

Twenty Neuroptera from the Katha district, Upper Burma; presented by L. de Niceville, Esq.

Two hundred and twenty Coleoptera, ninety *Formicidæ*, two hundred and seventy-three Lepidoptera, and two hundred and fifty Diptera, from Upper Burma; presented by Lieutenant E. Y. Watson, Indian Staff Corps.

Seven hundred and forty-eight *Geometridæ* and *Pyralidæ*, required for completing the Museum series, including about fifteen species new to the collection, and the recently-described Geometrid moth (*Hypochrosis pulchraria*) from the Khasia Hills; purchased.

Forty-two Heterocerous Lepidoptera, among which is the type of *Syntomis unifascia*, mostly from Sikkim; presented by G. F. Hampson, Esq.

Two examples of a rare butterfly (*Charaxes nepenthes*) from Salween River, Shan States; presented by Miss Rose Jackson.

A hundred and sixty Coleoptera, including several undetermined species new to the collection, and a fine specimen of the rare Elaterid (*Oxynopterus audouinii*); also fifty Termites, eighteen *Trigona*, twenty-five Orthoptera, eight *Coccidæ* (*Lecanium sp.*), found on nutmeg-leaves, and thirty-nine other insects from Singapore; presented by H. N. Ridley, Esq.

Forty Coleoptera, including an apparently new species of *Dicranocephalus*, seventeen Hymenoptera, thirty-two Rhynchota, and twenty-nine other insects from the interior of Formosa, collected by Mr. P. A. Holst; purchased.

Fifty-five Orthoptera, from Baram, North Borneo; purchased.

Thirty-three Hymenoptera, nine Orthoptera, a hundred and fourteen Rhynchota, and eleven other insects, collected by Mr. Whitehead in Luzon, Philippines; presented by the Subscribers to the Whitehead Expedition Fund.

(From the Australian Region and New Zealand.)

Thirty-four Coleoptera, from Mount Arfak, Doreh, &c., including the types of seven new species (*Poecilopharis femorata, Natalis lævis, Osphryon hirticollis, Gnathonyx piceipennis Analophus niger, Haplohammus longipennis*, and *Potemnemus tuberifer*); also fourteen Lepidoptera, from North-West New Guinea, including a fine female of *Ornithoptera cassandra, Dyctis agondas*, and other rare species; purchased.

Three Coleoptera (*Neolamprima adolphinæ*), from New Guinea; presented by H. Veitch, Esq.

Two specimens, male and female, of the rare and beautiful Hepialid moth *Charagia ramsayi*, from Queensland; presented by A. Noakes, Esq.

A hundred and ten Hymenoptera, including the types of six new species, a hundred and sixty Diptera, sixty Neuroptera, including the types of five new species, and eighty-five Rhynchota, from Queensland; presented by Gilbert Turner, Esq.

Thirty-one Hymenoptera and nineteen Rhynchota, from New South Wales; presented by W. W. Froggatt, Esq.

Twenty-five *Formicidæ*, collected by the Rev. J. Otley at Sydney; presented by the Right Hon. Sir John Lubbock, Bart.

Two specimens of *Halobates whiteleggi* from Sydney Harbour; presented by the Dublin Museum.

A pair of a very rare butterfly (*Hypochrysops delicia*) from Victoria, presented by Messrs. E. Anderson and F. P. Spry.

Two examples of a Homopterous insect (*Dorydium westwoodi*), new to the collection, and interesting on account of its resemblance to a grass-seed, from Christchurch, New Zealand; presented by H. Clark, Esq.

(From mixed Localities.)

A hundred and four Longicorn Coleoptera, collected by Signor Fea; received from the Director of the Museo Civico, Genova.

Thirteen named *Formicidæ* from various localities; presented by Professor Carlo Emery.

Sixteen named *Formicidæ* new to the collection; received in exchange from Dr. Forel.

Eighty Lepidoptera from various localities, chiefly types of butterflies described by Colonel Swinhoe; purchased.

Two hundred specimens of *Collembola*, including the material used by the late George Brook, Esq., for his papers on *Collembola* in the Journal of the Linnean Society; presented by Professor G. B. Howes.

Vermes.—Ninety-two additions were made to this class; the following are the most worthy of note:—

An example of *Peripatus trinitatis* from Trinidad; presented by W. E. Broadway, Esq.

Specimens of *Bipalium tripartitum*, *B. catenatum* and *Placocephalus semperi*, named by Prof. Graff, from Balabac; collected by A. H. Everett; purchased.

Specimens of three leeches (*Philæmon pungens*, *Haemadipsa limbata* and *Limnobdella quinquestriata*) determined by M. R. Blanchard, from Victoria and Queensland; presented by Professor Baldwin Spencer.

A remarkable

A remarkable Annelid allied to *Linophorus* from the mouth of the Congo; presented by Miss H. M. Kingsley.

A new earthworm (*Benhamia coecifera*), from the Fantee country; presented by Captain Torry.

Echinoderms.—The number of specimens added to this class amounted only to ninety, the following being the most important:—

Thirty-four specimens from various localities, among them examples of *Asterias panopla, Leptoptychaster arcticus, Hymenaster pellucidus, Pseudarchaster tessellatus*, var. *arcticus, Poraniomorpha rosea, Colochirus scandens*, and *Ankyroderma jeffreysii;* received in exchange from Professor Max Weber.

Twenty-one specimens from the Mediterranean, including a fine example of *Stichopus regalis*, the rare *Ophioconis forbesi* and *Ophiopsila aranea;* received in exchange from Professor Kochler.

Eleven specimens from Singapore, among which were *Ophiolepis annulosa* and *Ophiothrix punctolimbata;* presented by H. N. Ridley, Esq.

A fine example of the rare *Metacrinus rotundus* and a second specimen which may be an immature example of the same species, from Japan; purchased.

Astronyx loveni, a species common in the North Sea and on the West Coast of Scotland, from Japan; purchased.

Anthozoa.—A hundred and fifty specimens have been added to this class, the most interesting additions are as follows:—

Ninety-one specimens collected by William Saville-Kent, Esq., in N.E. Australia, including four magnificent examples of the genus *Turbinaria*, also *Euphyllia glabrescens, E. fimbriata*, and *Dasyphyllia echinulata*.

The types of two recently described and remarkable Actiniarians (*Phialactis neglecta* and *Octineon lindahli*) from Papeiti and the Coast of Spain; presented by Dr. G. H. Fowler.

Three specimens of *Cavernularia malabarica* from Calicut; received from the Madras Museum.

A fine specimen of *Isis hippuris*; presented by John Morgan, Esq.

A specimen of *Chondractinia digitata* on *Fusus antiquus* from the North Sea; presented by E. W. L. Holt, Esq.

Hydrozoa.—Fifty specimens have been obtained; of these the following may be mentioned:—

Twelve specimens of Hydrocorallinæ, representing nine species new to the collection, from the Gulf Stream, West Indies; presented by Professor Alexander Agassiz.

Sponges.—Seventy-one additions have been made to the collection ; the following may be mentioned :—

Twenty-three boring sponges (*Cliona*) from the North Sea, English Channel, Coast of Holland, and East Coast of America ; presented by R. Kirkpatrick, Esq.

Ten large sponges from Japan ; purchased.

A collection of twenty-one sponges from Hadramaut, Arabia, obtained by the Bent Expedition ; presented by Dr. John Anderson, F.R.S.

VIII.—*Visitors and Students.*

The number of visits from persons who have consulted portions of the collection, or who have required attendance or assistance, was ten thousand seven hundred and thirty, as compared with :—

10,872	1893
10,932	1892
9,443	1891
9,034	1890
8,360	1889
8,797	1888
8,955	1887
8,372	1886
8,313	1885
6,818	1884

Albert Günther.

Department of Geology.

I.—*Arrangement.*

A.—Vertebrata.

Fossil Mammalia (Gallery No. 1).—A very large skull (partly restored), of the Cave-lion, *Felis spelæus*, has been mounted and placed in Pier-case III., together with numerous bones of the same animal, part of a large collection of Pleistocene Mammalia from Erith, presented by F. C. J. Spurrell, Esq., F.G.S., in 1893.

An incomplete skull of *Rhinoceros leptorhinus* (Spurrell Colln.) has been mounted and added to the series of British *Rhinocerotidæ* in Pier-case VI.

The coloured reproductions of the skull and mandible of *Elasmotherium sibiricum* have been mounted in a separate glazed case in the centre of the gallery.

A fine and nearly perfect antler of Reindeer, *Rangifer tarandus*, forming part of a collection of Pleistocene mammals from the Valley-gravels of Twickenham, presented by Messrs. Leeson and Laffan, is mounted in Pier-case XV.

Pier-case XVI. has been partly re-arranged for the reception of some skulls and horn-cores of *Bison priscus*, from the Thames Valley Brick-earth and Gravels of Erith and Twickenham: Spurrell Colln., etc.

Pier-case XX. has been completely re-arranged for the reception of the Toxodontia, Typotheria, and Amblypoda. The collection of remains of animals of the two sub-orders first-mentioned has been greatly increased by a number of specimens, both originals and casts, presented by Dr. Moreno, Director of the La Plata Museum.

Edentata (Gallery No. 2).—Numerous additions have been made to the collection of Edentata, including a fine skull of *Glyptodon*, acquired from the La Plata Museum.

Collections of fossil Mammalia, from the Thames Valley Brick-earth and Gravels; from the Red Crag; from the Phosphatic deposits of South Carolina, and the Pleistocene of Australia, have been determined, registered, and distributed in their respective subdivisions in the collection.

Total number of Mammalia registered, 1,386.

Aves (Gallery No. 2).—A considerable collection of bird-remains from the Caverns of Sardinia and Corsica, purchased from Dr. C. Forsyth Major, has been registered, and selected specimens mounted and labelled for exhibition in Table-case

No. 13. Some bones of *Harpagornis Moorei*, presented by H. O. Forbes, Esq., are exhibited in Table-case No. 12A. A collection of bones of the Dodo, presented by Sir Charles Cameron Lees, K.C.M.G., has been registered, and some of the specimens exhibited.

Wall-case XXV. has been entirely re-arranged in order to provide exhibition-space for numerous bones referred to several species of *Æpyornis*, recently obtained from Madagascar; these have been mounted, and printed labels have been prepared for each specimen.

Wall-cases XXIII. and XXIV. have been partly re-arranged, as also has Table-case No. 12.

A number of bones of *Enaliornis Barretti* has been obtained from T. Jesson, Esq., F.G.S., and a selected series has been mounted and labelled for exhibition in Table-case No. 13.

The skeleton of "the Great Auk" has been re-mounted and is exhibited in a special glazed case, together with a coloured reproduction of its egg. A photograph of the *Archæopteryx* in the Berlin Museum has been framed and glazed and fixed on the East wall of this Gallery.

The total number of Avian remains registered is 370.

Reptilia (Gallery No. 4).—The arrangement of Wall-cases I. and II., has been completed, and in the latter three nearly entire mounted skeletons of Crocodilia from the Oxford Clay, Peterborough, are exhibited.

Wall-case VII. has been re-painted, and is under arrangement. Most of the specimens have been re-mounted and a new diagram of a Theropodous Dinosaur has been placed in the case.

A coloured reproduction of the skull of *Iguanodon Bernissartensis*, received in exchange from the Brussels Museum, has been mounted and labelled, and is exhibited in a separate glazed case in the centre of the Gallery.

Two specimens of skulls and vertebral columns of *Pariasaurus* have been mounted in a glass case, near that containing the entire skeleton of the same animal.

The specimens in Table-cases Nos. 10 and 11, and a part of those in Nos. 12 and 19, have been re-tableted, and printed labels have been prepared for the same in accordance with the published Catalogue.

The unexhibited series of Reptilian specimens have been registered, and are arranged in the several drawers beneath the Table-cases.

A number of reptilian remains from Brazil, presented by Joseph Mawson, Esq., F.G.S., have been registered, and selected specimens mounted and labelled for exhibition.

The Ichthyosauria and a part of the Plesiosauria from the Oxford

Oxford Clay (Leeds Colln.), have been registered, and selected specimens have been mounted for exhibition.

Total number of Reptilia registered, 2,854.

Fossil Fishes (Gallery No. 6).—Wall-case VII., containing Chondrostei and Cœlacanthidæ, has been entirely re-arranged and refitted, all the specimens framed and mounted and the labels prepared for printing.

Considerable progress has also been made in re-mounting and re-arranging various table-cases in accordance with the published Catalogue, including *Corax, Oxyrhina, Copodus, Myliobatis,* and *Ptychodus,* among the Elasmobranchii; the labels for these are now being printed.

The naming of the specimens of Eugnathidæ, Pachycormidæ, Aspidorhynchidæ, Leptolepidæ, and some Cretaceous fishes has been revised during the progress of the preparation of the Catalogue.

The "Ward Collection" of Coal-measure Fishes has been examined, and the registration has commenced.

Total number of Fossil Fishes registered, 1,250.

B.—Invertebrata.

Mollusca.—Cephalopoda (Gallery No. 7).—The Rhyncholites and some Jurassic and Triassic Nautilidæ have been removed from Wall-case No. XIII., and arranged in Table-case No. 59.

In order to make room in the Table-cases of this Gallery for the Jurassic and Triassic Cephalopoda, the exhibited series of Cretaceous genera, *Baculites, Hamites, Scaphites, Crioceras,* and *Ammonites* have been reduced in number and transferred to cases Nos. 60–64, nearer the South end of the Gallery, thus effecting a gain of two Table-cases.

One hundred and thirty-five Upper Oolitic Ammonites have been named, mounted and arranged in Table-case 65. Three hundred and forty-eight British Corallian, Oxfordian, and Callovian Ammonites have been named, mounted and arranged in Table-case 66. Three hundred and eighteen Callovian and Middle Oolitic Ammonites have been named, mounted and arranged in Table-case No. 67, and two hundred and nine Lower Oolitic Ammonities have been mounted, named and arranged in the same case.

Sixty-seven Lower Liassic and one hundred and eighty-three Triassic Ammonites have been mounted and arranged in Table-case 69.

One hundred and thirty-eight *Baculites, Clymeniæ,* and *Goniatites,* from the Devonian formation, have been mounted, named and arranged in Table-case No. 70.

Cephalopoda registered during the year, 800.

Mollusca.—Gasteropoda and *Lamellibranchiata* (Gallery No. 8).—The top lighting, by means of glass-panels, of all

the wall-cases in this gallery, and the re-arrangement of the fittings for the same is now completed.

The work on the Foreign Tertiary Mollusca ha included the cleaning, mounting and naming of the Oligocene and Miocene Gasteropoda and Lamellibranchiata from the south-west of France; these are distributed as under :—

Specimens tableted and arranged in Wall-case	5,574
Specimens named in trays and arranged in Drawers	1,753
TOTAL	7,327

During 1894 the Mollusca from the Bordeaux and Dax Basins have been completed.

The "Prestwich Collection" of Coal-measure fossils from Coalbrookdale has been registered. The figured specimens have been mounted and arranged in the exhibited series; the others are placed in drawers beneath the Table-cases according to their class.

The British Post-Pliocene Mollusca (land and freshwater species) have been transferred from their original case to a new and more appropriate one, in the centre of Gallery 8.

The following slabs have been placed upon the wall of this gallery: (*a*.) Slab of *Limnea longiscata* from the Oligocene of the Isle of Wight. (*b*.) A series of large *Inocerami* from the Cretaceous of Natal, South Africa. (*c*.) A slab of Lower Eocene containing *Axinea brevirostris* from Fareham. (*d*.) A slab of Coralline Oolite with *Trigonia clavellata*, from Weymouth, Dorset.

The number of Mollusca registered is Gasteropoda 3,389. Lamellibranchiata, 1890; total, 5,279.

Bryozoa (Gallery No. 8).—A new narrow Table-case, specially fitted to exhibit objects close to the glass, has been placed in the centre of this gallery at the north end. In this case a series of Bryozoa, each species accompanied by an enlarged drawing, has been arranged, and printed labels prepared for each. Altogether fifty-five boxes containing 174 specimens of Eocene Bryozoa; 152 boxes containing 213 specimens of Palæozoic and Pleistocene Bryozoa, have been exhibited.

In the unexhibited series 55 boxes of microscopic slides and 18 drawers of Bryozoa have been arranged and named.

The arrangement of the exhibited series of Jurassic and Cretaceous Bryozoa has commenced. Bryozoa registered during the year 5,004.

Brachiopoda (Galleries 8 and 11).—By a slight reduction in the number of specimens of exhibited British species of Brachiopoda, a Table-case has been gained for the better display of the Arthropoda (Insecta and Crustacea), which greatly

greatly needed more space. In the Wall-cases X. and XI. devoted to the exhibition of Foreign Brachiopoda, an endeavour is being made to utilise this series in illustration of the classification and evolution of the group. With this object labels explanatory of the orders, families and genera have been prepared and are in part printed.

Eleven diagrams to illustrate the main features in the anatomy of the Brachiopoda have also been prepared, with special reference to those structures the remains of which, or traces of them, are found in a fossil state.

Brachiopoda, continued (Gallery 11).—One hundred and eleven types of Brachiopods, figured by Dr. Davidson, have been withdrawn from the general collection, and incorporated with the Davidson collection. The task of naming, mounting and labelling this collection has been steadily progressing; 4,373 specimens have been mounted, registered, and a slip-catalogue of each species prepared. The specimens are arranged in the glazed Table-cases 13, 14, and 15; and in a series of about 200 drawers beneath.

Brachiopoda registered during 1894: general collection, 700 specimens; "Davidson Collection," 4,373.

Echinodermata (Gallery No. 8).—A large number of Crinoidea, Blastoidea and Cystidea have been named and registered during the past year; but no more space is available at present for a larger exhibited series.

Fourteen Echinoderms and some palæozoic Echinoids have been added to the Wall and Table-cases.

Echinodermata registered during the year -	593
Crustacea, Insecta and Annelida registered -	424
Corals registered during the past year - -	679
Sponges, Foraminifera, etc. ditto - -	208

Gallery 9—Workroom.—A students' collection for the convenience of persons desiring to study fossils with care, has been prepared and placed in this room, so that persons using it may also be able to consult the Geological Library.

The arrangement of this collection is now completed; the whole occupies 74 drawers in a special cabinet.

C.—Plantæ.

Fossil Plants (Gallery 10.).—The "McMurtrie Collection" of plants, from the Coal-measures of Radstock, Somerset, has been registered, named, labelled, and arranged, in two special table-cases in the centre of this gallery. Some of the larger specimens occupy an upright glazed case adjoining; others are mounted or framed, and placed on the wall, or upon pedestals.

The base of a large silicified tree from the Triassic rocks of S. Africa, has been mounted on a special pedestal.

The Wealden plants, described and illustrated in Mr.

Seward's recently published catalogue, have been mounted and labelled and arranged in Table-case 21.

Fossil plants registered during the past year, 380.

Miscellaneous Collections.—Tracks and Trails and other Rock-specimens (Gallery 11.)—About 18 specimens have been added to this series during the past year.

Stratigraphical Cases, 1–V.—A large number of new labels have been added to these wall-cases, and Mr. Etheridge is preparing a series of small geologically-coloured maps, showing the exposed area of each formation on a separate map to be placed near each case.

II.—*Department Library* (*Gallery No.* 9).

During the year 1894, the accessions to the Library, and to the collection of British and Foreign Geological Maps, have been stamped, and catalogue-slips prepared for the same.

The following is a tabular statement of accessions to the Library during the year :—

	By Donation.	By Purchase.	Total.
Maps - - - - - -	477	59	536
Books - - - - - -	239	92	331
Continuations - - - -	211	218	429
TOTAL - -	927	369	1,296

The number of catalogue-slips written and inserted in the Catalogue Boxes during the year is: Maps, 156; Books, 1,046; Total, 1,202.

Two new Book-cases have been added in the past year to the Library. This has neccssitated a considerable amount of re-arrangement of the books, shelves, and press-marks, an operation which will have to be repeated at indefinite intervals, as new presses are from time to time added.

III.—*Preparation of Catalogues.*

The major part of the manuscript of Part III. of a "Catalogue of Fossil Fishes," by Arthur Smith Woodward, F.G.S., is now in the printer's hands, and many of the illustrations have also been prepared.

Part

Part III. of the Catalogue of Fossil Cephalopoda is in progress. The section containing *Bactrites, Clymenia* and a part of the Devonian *Goniatites* is already in type.

The Catalogue of "type-specimens" in the Museum is in progress in slip form; the "Davidson Brachiopoda," and the "Sowerby Collection" being far advanced.

Dr. Gregory has a Catalogue of Jurassic Bryozoa in preparation.

Mr. G. F. Harris is engaged upon a Catalogue of Australasian Tertiary Mollusca for the Museum.

IV.—*Separate Papers and Memoirs bearing upon the Collection published in* 1894.

1. Note on a new species of *Æpyornis*, from Madagascar, by C. W. Andrews, B.Sc., F.G.S. (Geol. Mag., 1894, pp. 18–20.)

2. On some remains of *Æpyornis* in the British Museum (Nat. Hist.), by C. W. Andrews, B.Sc., F.G.S. (Proc. Zool. Soc., 1894, pp. 108–123, pls. xiv. and xv.)

3. Notes on sharks' teeth from British Cretaceous Formations; by A. Smith Woodward, F.G.S. (Proc. Geol. Assoc., vol. xiii., pp. 190–200, pls. v. and vi., 1894.)

4. Note on a tooth of *Oxyrhina*, from the Red Crag of Suffolk, (Geol. Mag. [4] vol. i., 1894, pp. 75–76), by Arthur Smith Woodward, F.L.S., F.G.S., F.Z.S.

5. On a second British species of the Jurassic fish *Eurycormus*, (*ibid.*, pp. 214–216), by A. S. Woodward, F.L.S.

6. On the affinities of the Cretaceous fish *Protosphyræna*, (Ann. and Mag. Nat. Hist. [6] vol. xiii., pp. 510–512), by A. S. Woodward, F.L.S.

7. On some Fish remains of the genus *Portheus* and *Cladocyclus*, from the Rolling Downs Formation (Lower Cretaceous), Queensland, (*ibid.*, vol. xiv., pp. 444–447, pl. x.), by A. Smith Woodward, F.L.S.

8. On a collection of Jurassic Cephalopoda from Western Australia, obtained by Harry Page Woodward, F.G.S., Govt. Geologist, with Descriptions of the species, by G. C. Crick, A.R.S.M., F.G.S. (Geol. Mag., 1894, pp. 385–393 and 433–441, plates xii. and xiii.)

9. Cephalopod Beginnings, by F. A. Bather, M.A., F.G.S., ("Natural Science," vol. v., 1894, pp. 422–436.)

10. A revision of the British Eocene Scaphopoda; with descriptions of some new species, by R. B. Newton, F.G.S., and Geo. F. Harris, F.G.S. (Proc. Malacol. Soc., 1894, vol. i., pp. 63–69, pl. vi., fig. 1.)

11. Descriptions

11. Descriptions of some new or little known shells of Pulmonate Mollusca, from the Oligocene and Eocene Formations of England, by R. B. Newton, F.G.S., and G. F. Harris, F.G.S., etc. (*ibid.*, vol. i., 1894, pp. 70–77, pl. vi., 1894.)

12. Revision of British Eocene Cephalopoda, by R. B. Newton, F.G.S., and G. F. Harris, F.G.S. (*ibid.*, vol. i., 1894, pp. 119–131, plate x.)

13. Some Jurassic species of Cheilostomata, by J. W. Gregory, D.Sc., F.G.S. (Geol. Mag. [iv.], 1894, vol. i., pp. 61–64.)

14. Catalogue of Jurassic Bryozoa in the York Museum (Report, Yorks. Phil. Soc., pp. 58–61), by J. W. Gregory, D.Sc., F.G.S.

15. Eozoonal Structure in the ejected blocks of Monte Somma, by J. W. Gregory, D.Sc., F.G.S., and Professor H. J. Johnston-Lavis, M.D., F.G.S. (Trans. R. Irish Acad., ser. 2, vol. v., pp. 259–277, pls. xxx.-xxxiv.)

16. On the genus *Cyclus*, from the Carboniferous Formation of various British Localities, by Henry Woodward, LL.D., F.R.S., Pres.G.S. (Geol. Mag., 1894, [iv.], vol. i., pp. 530–539, pl. xv.), 1894.

17. On a collection of Carboniferous Trilobites from the Banks of the Hodder, near Stonyhurst, Lancashire, by Henry Woodward, LL.D., F.R.S., P.G.S. (*ibid.*, 1894, pp. 481–489, pl. xiv.)

V.—*Work of the Mason-Formatore and Assistant-Mason.*

Mounting and restoring cranium of *Felis spelæus* and remains of *Bison*, *Rhinoceros* and *Bos*, being a part of the "Spurrell Collection," from Erith, Kent.

Reconstructing antler of *Rangifer tarandus*, and cranium and horncores of *Bison*, from Twickenham (Leeson and Laffan Collection).

Mounting cast of skull of *Iguanodon* from Brussels.

Mending and mounting a series of casts of *Astrapotherium*, *Toxodontotherium*, etc., also original skull of *Glyptodon*, from the Pampas formation of Buenos Ayres.

Making necessary ironwork, painting and mounting a reproduction of the skeleton of *Pariasaurus Bainii* for the Albany Museum, Grahamstown.

Taking down the original skeleton of *Pariasaurus bombidens* and re-arranging case, so as to admit of the exhibition of two specimens in the same case; preparing ironwork and remounting both skeletons.

Mounting pectoral girdle of *Ophthalmosaurus*.

Restoring feet-bones to the skeleton of the Great Auk.

Articulating

Articulating, and making complete the skeleton of *Testudo Grandidieri*, from Madagascar.

Making (in part) and colouring a series of casts for exchange with Mr. B. Sturtz, of Bonn.

Making moulds and casts of a series of Megalosaurian bones; beak of *Brontornis*, numerous Cephalopods, etc.

25 moulds and 40 casts of fossils executed during the year.

Reducing and re-mounting remains of *Gyrosteus* for case.

Squaring and imbedding in frames 60 Lias and Chalk Fishes for cases.

Assistant-Mason—Developing two skulls and axial skeletons of *Pariasaurus* (*P. bombidens* and *P. Bainii*).

Developing a series of Mammalian remains from Olivola.

Developing additional specimens from Samos (Dr. F. Major).

Developing a series of Dinosaurian remains from Madagascar.

Developing and mending Megalosaurian bones from Wedmore, Somerset.

Developing and mending a series of Reptilian and Fish remains from the Oxford Clay, Fletton, part of the "Leeds Collection."

Packing, removing, unpacking, repairing, and developing a large series of plant-remains (McMurtrie Collection) from the Coal Measures, Somerset. Reducing and setting in frames slabs of Econe and Cretaceous shells; silicified wood, etc. Making numerous sections of Bryozoa; developing and preparing sections of Cephalopoda; cutting sections of 13 sets of horses' teeth for the Director.

VI.—*Printing Labels.*

During the past year the demand for printed labels for the exhibition cases has continued to be very great, and a large amount of work has been accomplished.

For the Index Museum 54 descriptive labels and 273 ordinary labels have been "composed"; and 3,504 copies struck off.

For the Stratigraphical cases in Gallery XI., 336 labels have been "set up," and 2,783 copies struck off.

For the Fossil Mammalia, Aves, and Reptilia, 642 labels have been "set up," and 4,650 copies struck off.

For the Cephalopoda and other Mollusca, 85 labels have been "set up," and 1,256 copies struck off.

For the Fossil Fishes, 186 labels have been "set up," and 1,990 copies printed.

For the Bryozoa, 424 labels have been "set up," and 2,964 copies struck off.

For the Brachiopoda, 17 descriptive labels and 18 ordinary labels have been set up, and 494 copies printed off.

For the other groups and the Fossil Plants, 162 labels have been set up, and 3,264 copies struck off.

Total number of labels composed, 2,200.

Total number of copies printed off, 20,928.

VII.—*Acquisitions.* 1.—*By Donation.* A.—VERTEBRATA.

1. *Mammalia.*—Plaster cast of tooth of *Halitherium limbatum* (type specimen of *Ribodon limbatum* Ameghino), from the Oligocene Parana, Argentine Republic; presented by R. Lydekker, Esq., F.R.S., F.Z.S., F.G.S.

Three teeth of *Bos*, and one tooth of *Equus*, from the Pleistocene, of San Diego, Texas; presented by William Taylor, Esq.

Eight Tesseræ of carapace of *Glyptodon reticulatus*, from the stream Saucé, Department of Rio Negro, Uruguay; presented by W. P. Steer, Esq.

Remains of *Mastodon Humboldti* and *Megatherium*, from the Pleistocene of Brazil; presented by Joseph Mawson, Esq., F.G.S.

A collection of Vertebrate remains from Queensland, viz.: remains of *Nototherium Mitchelli*; *Procoptodon rapha*; *Phascolomys magna* and *P. Mitchelli*; *Palorchestes azael*; *Macropus titan* and *M. anak*; presented by Sir James Garrick, K.C.M.G., Q.C., Agent General, Queensland.

A series of remains of *Elephas primigenius*, *Equus*, sp.; *Manatus*, and of Cetaceans, from the Phosphate Beds of South Carolina; presented by A. Alexander, Esq.

Ten fragmentary Vertebrate remains from the Cretaceous formation Umtamvana River, Natal. Presented through Sir Frederick A. Abel, K.C.B., F.R.S. (on behalf of the Imperial Institute), for the Government of Natal.

A fine antler of *Rangifer tarandus*, portion of skull with horn-cores of *Bison priscus*, also metapodial bone and two horn-cores of *Bos longifrons*(?) (described in Quart. Journ., Geol. Soc., vol. l. pp. 453–462) from the Pleistocene deposits in the Thames Valley, near Twickenham; presented by J. R. Leeson, Esq., M.D., F.L.S., and G. B. Laffan, Esq., B.Sc., C.E., &c.

A left upper maxilla of *Cervus elaphus* from a cavern in back of the rock of Gibraltar; presented by H. H. Norman Bull, Esq.

Coloured casts of the fore and hind foot of *Coryphodon hamatus*; presented by Professor H. F. Osborn, Sc.D.

2. *Aves.*—Portion of Egg of *Æpyornis*, from Sirabé, N. Betsileo, Madagascar; presented by Rev. J. Wills.

A sacrum, humerus, and radius of *Harpagornis Moorei* from

from Oamaru, New Zealand; presented by H. O. Forbes, Esq., F.R.G.S.

A vertebra of *Varanus (Megalania) priscus* from Queensland; presented by Sir James Garrick, K.C.M.G., Q.C., Agent General, Queensland.

3. *Reptilia.*—Bones of *Plesiosaurus* and *Pterodactylus*, from the Cretaceous, Bahia, Brazil (described and figured in Ann. Mag., Nat. Hist. (6) vol. 8, pp. 314–317); also 20 teeth and bones of Crocodile from the same formation and locality; presented by Joseph Mawson, Esq., F.G.S.

A Vertebra of *Plesiosaurus*, from the Lower Greensand, Farringdon; presented by W. M. Holmes, Esq.

A Dinosaurian Vertebra, and a series of Crocodilian teeth, &c., from the Wealden of Bahia (described in the Quart. Journ., Geol. Soc., 1859); presented by Samuel Allport, Esq., F.G.S.

Scales of *Anguis fragilis*, from a fissure at Bastead, near Sevenoaks, Kent; presented by W. J. Lewis Abbott, Esq., F.G.S.

4. *Pisces.*—One specimen of *Diplomystus longicostatus*, sixty scales and bones of *Lepidotus Mawsoni* and ten other fish remains, from the Cretaceous of Bahia, Brazil; presented by Joseph Mawson, Esq., F.G.S.

A specimen of jaws of *Synechodus dubrisiensis*, from the Lower Chalk, Cambridge; presented by Professor J. F. Blake, M.A., F.G.S.

A series of teeth of *Ptychodus* and *Oxyrhina*, from the Totternhoe Stone Quarries, near Dunstable, Beds; presented by A. W. Gower, Esq.

A large series of *Lepidotus* and other fish remains from the Wealden, Bahia (described in the Quart. Journ., Geol. Soc., 1859); presented by S. Allport, Esq., F.G.S.

An undescribed fossil fish from Shushter, Persia; presented by Alfred Holland, Esq.

A specimen of *Osmeroides Lewesiensis* and a head of *Beryx Lewesiensis*, from the Chalk of Sussex; presented by J. S. Valentine, Esq., C.E.

Fourteen dermal plates of *Asterolepis maximus*, from the Upper Old Red Sandstone, Kings' Steps Quarry, Nairn; presented by Dr. R. H. Traquair, F.R.S., F.G.S.

B.—INVERTEBRATA.

(*a*) *Mollusca.*—Thirty-five specimens of Gasteropoda (*Pleurocera, Planorbis*, &c.), and seventy-one Unios, from the Cretaceous of Bahia, Brazil; presented by Joseph Mawson, Esq., F.G.S.

One specimen of *Aturia* and nine Gasteropoda, (*Velates; Turritella*, &c.) from the Eocene, Mokattam Hills, near Cairo; presented by Surgeon-Captain R. H. Penton.

Six Gasteropoda and twenty-eight Lamellibranchiata, from the Post-Pliocene Deposits of La Plata, South America; presented by R. Lydekker, Esq., F.R.S., F.G.S., F Z S.

Three specimens of *Schizodus deltoideus*, Phil,, from the Carboniferous Limestone, Railway Cutting at Garngad Road, Glasgow; presented by James Neilson, Esq.

Two specimens of *Conularia*, from the Devonian of Constantine Bay, near Padstow, Cornwall; presented by Howard Fox, Esq., F.G.S.

A specimen of *Crioceras australe*, Moore, from the Cretaceous, Fassifern Station, Brisbane, Australia; presented by Mrs. Weinholt.

Twenty-eight Post-Pliocene shells from New Zealand; presented by F. A. Bather, Esq., M.A., F.G.S.

A specimen of *Nautilus*, from the Pea-grit, Standish, Gloucestershire; presented by S. S. Buckman, Esq., F.G.S.

Seven specimens of *Modiola lithodomoides*, R. Eth. jun., from the Lower Carboniferous, Beith, Ayrshire; presented by R. Craig, Esq.

Two specimens of *Ostrea Bellovacina*, Lamarck, from the Lower Eocene, White Waltham, near Maidenhead; presented by W. H. Heynes, Esq.

Six specimens of *Exogyra nana*, Sby., from the Coralline Oolite, Stratton Station, Wilts; presented by A. W. Rixon, Esq.

Four shells, *Ostrea*, *Pseudomonotis*, *Trichites*, and *Modiola*, from the Coralline Oolite, Berkshire, also one *Inoceramus*, from the Cretaceous formation of Montana; presented by C. D. Sherborn, Esq., F.G.S.

About two thousand four hundred shells of Mollusca, from the Oligocene and Miocene formations of Bordeaux and its vicinity; presented by G. F. Harris, Esq., F.G.S., and H. W. Burrows, Esq., A.R.I.B.A.

A small slab of *Goniatites*,from the Devonian, at Trevone, Cornwall; presented by G. Howard Fox, Esq., F.G.S.

One specimen of *Nucleolites*, from the Inferior Oolite, Bath; presented by W. P. Workman, Esq.

A specimen of *Collyrites subringens* and of *Nucleolites amplus*, from the Inferior Oolite, Bath; presented by F. Raw, Esq.

A specimen of *Pinna decussata*, from the Upper Chalk, Keston, Kent; presented by A. S. Kennard, Esq.

A series of two hundred and twelve Cephalopoda, Gasteropoda, and Lamellibranchiata, of Cretaceous age, from Natal; presented by Sir F. A. Abel, K.C.B., F.R.S., on behalf of the Government of Natal.

One specimen of *Nautilus Sowerbii*, from the basal bed of the Thanet Sands; Upnor Castle; presented by Professor H. G. Seeley, F.R.S., F.G.S.

Nine

Nine specimens of *Bulimi*, three *Helices*, and two *Unios*, from the Lower Pliocene, Isle of Samos; presented by Dr. C. J. Forsyth-Major.

Fourteen specimens of *Ostrea Clot-Beyi*, and three *O. Fraasii*, from the Middle Eocene, Egypt; also fourteen *Exogyra Overwegi*, from the Upper Cretaceous of Egypt; presented by Captain H. G. Lyons, R.E., F.G.S.

Four specimens of *Douvilleia arenaria*, Melville, from the Lower Eocene, Jouchery, Paris Basin; presented by Mons. M. Cossmann.

Six specimens of Cephalopoda, *Bactrites*, *Goniatites*, *Orthoceras*, &c., from the Upper Devonian, near Gerolstein, Eifel; presented by E. H. L. Schwarz, Esq.

One specimen of *Goniatites* (*Tornoceras*) *globosus*, Münster, from the Upper Devonian, Trevone, Cornwall; presented by Howard Fox, Esq., F.G.S.

Two specimens of *Arctica scutellaria*, Link, from the London Clay, Bracknell, Berks; presented by St. George Littledale, Esq.

Twelve Miocene Shells, from Antigua; presented by A. J. Jukes-Browne, Esq., B.A., F.G.S.

(*b*) *Brachiopoda*.—A specimen of *Spirifera disjuncta*, from the Devonian of Tintagel, Cornwall; presented by J. H. Collins, Esq., F.G.S.

Three specimens of *Chonetes Davidsoni*, from the Permian of Sunderland, and two other fossils, from the Calciferous Sandstone of Fife; presented by J. W. Kirkby, Esq.

Two Brachiopods, *Lingulella* and *Obolella*, from the Ordovician and Cambrian of Shropshire; presented by C. Davies Sherborn, Esq., F.G.S.

(*c*) *Insecta* and *Crustacea*.—Four specimens of *Estheria*, from Bahia, Brazil; presented by Joseph Mawson, Esq., F.G.S.

A specimen of *Lobocarcinus*, from the Eocene, Mokattam Hills, near Cairo; presented by Surgeon-Captain R. H. Penton.

A specimen of *Prestwichia rotundata*, H. Woodw., from the Coalmeasures, Camerton, near Bath, figured and described by G. C. Greenwell, F.G.S. Trans. Manchester Geol. Soc., vol. vi., 1867, p. 123; presented by James M'Murtrie, Esq., F.G.S.

A specimen of *Lobocarcinus Paulino-Wurtembergenis*, from Eocene, Mokattam, near Cairo; presented by A. C. Allen, Esq., F.R.G.S.

Fifteen specimens of *Ptychoparia Kingi*, Meek, from the Cambrian of Nevada; also one specimen of *Triarthrus Beckii*, Green, from the Utica Shales, near Rome, New York, showing *antennæ* and *legs;* presented by Professor O. C. Marsh, PH.D., LL.D., F.G.S.

Four Trilobites and one Ostracod, from the Ordovician and Cambrian Rocks of Shropshire; presented by C. D. Sherborn, Esq., F.G.S.

One specimen of *Clytia Leachii*, from the chalk of Lewes; presented by J. S. Valentine, Esq., C.E.

(*d*) *Echinodermata.*—Twenty specimens of Crinoidea, from the Palæozoic Rocks, &c., United States of America, &c.; presented by F. A. Bather, Esq., M.A., F.G.S.

Seventy-six portions of stem of *Pentacrinus*, from Miocene fissures in limestone (Bajocien?), La Grive St. Alban, Isère, France; presented by Dr. C. I. Forsyth-Major.

A cup of a small crinoid, *Cromyocrinus nuciformis*, M'Coy, from the Carboniferous Limestone, Holy Island; presented by S. P. Cockerell, Esq.

A large block of Encrinital stone, from the Carboniferous Limestone, River Ribble, Hacking, by Whalley; presented by W. W. Simpson, Esq.

A fine slab of Wenlock Limestone, having specimens of *Sagenocrinus expansus* and *Periechocrinus moniliformis*, &c., exposed on its surface; presented by J. S. Valentine, Esq., C.E.

(*e*) *Zoophyta.*—A specimen of *Madreporaria*, from the Eocene, Mokattam Hills, near Cairo; presented by Surgeon-Captain R. H. Penton.

Sixteen specimens of corals of the genera *Diphyphyllum*, *Lonsdaleia* and *Alveolites*, from the Carboniferous Limestone of the neighbourhood of Glasgow; presented by James Thomson, Esq., F.G.S.

A specimen of *Alveolina*, from the Lower Eocene, Egypt; presented by Captain H. G. Lyons, R.E., F.G.S.

Twenty-two specimens of Coral, from the Miocene formation, Antigua; presented by A. J. Jukes-Browne, Esq., B.A., F.G.S.

(*f*) *Protozoa, etc.*—Twelve specimens of Calcispongiæ from the British Inferior Oolite, including figured and type specimens of *Corynella punctata*, *Lymnorella mammillosa*, *L. inclusa*, *L. ramosa*, *Blastinia costata*, *vide* Hinde, Brit. Foss. Sponges, Mon. Pal. Soc., 1893; presented by R. F. Tomes, Esq., F.G.S.

Thirty specimens of Tertiary Limestones, containing Foraminifera, &c., from Borneo; presented by A. H. Everett, Esq.

A piece of Sandstone of Lower Greensand age, from near Hind-Head, Haslemere, having a series of parallel tubes, the matrix also exhibiting numerous detached spicules of sponges; presented by the Honourable Charles Ellis.

Slabs of Nummulitic Limestone, containing *Nummulites Ramondi*, *Orbitoides dispansus*, *O. papyraceus*, &c., from Mürren

Mürren, Lauterbrünnen, Bernese Oberland; presented by R. Etheridge, Esq., F.R.S., F.G.S.

Examples of sheared Nummulitic Limestone, containing *Nummulites Ramondi, Orbitoides dispansus, O. papyraceus,* and various other organisms, from Mürren, Lauterbrünnen, Bernese Oberland; presented by Sir John Lubbock, Bart., M.P., F.R.S., F.G S.. Trustee Brit. Mus.

C.—Plantæ.

Three plants, from the Carboniferous Rocks of Rio Grande Brazil; presented by Joseph Mawson, Esq., F.G.S.

A specimen of Fossil fruit from the Post-pliocene formation, New Zealand; presented by F. A. Bather, Esq., M.A., F.G.S.

A collection of two hundred and sixty-three specimens of Fossil Plants, from the Upper-Coal-Measures of Radstock, Somersetshire, comprising portions of stems of *Ulodendron, Lepidodendron, Caulopteris, Sigillaria, Annularia, Calamites, Calamocladys,* numerous species of Ferns, and one specimen of *Rhacophyllum spinosum,* Lesq. Some of which have been figured and described by Mr. R. Kidston, F.R.S.E., F.G.S.; presented by James McMurtrie, Esq., F.G.S.

The base of a large silicified fossil coniferous tree of Jurassic age from east of the Drackensberg, S. Africa; presented by Sir Frederick A. Abel, K.C.B., F.R.S., on behalf of the Natal Government.

A series of twelve casts of *Carbonicola* and *Naiadites* (the originals figured in Mon. Pal. Soc. 1894) from the Coal Measures of Dullmellington, Shotts, and Burnley; presented by Dr. Wheelton Hind, M.D., F.G.S.

Six casts of Tree stems, from Madeira; presented by G. J. Benett Stanford, Esq.

II.—*By Purchase.* A. Vertebrata.

1. *Mammalia.*—A skull and mandible of *Hippopotamus,* and one hundred and seventy-six other bones, from the Tertiary formation at Sirabé, Madagascar.

Two teeth of *Hipparion,* four of *Rhinoceros* and part of a Mastodon's tusk, from the Red Crag, Sutton.

A fine skull and mandible of the Ant-eater *Orycteropus Gaudryi,* a skull and detached teeth of "*Rhinoceros pachygnathus.*" Remains of *Gazella, Samotherium,* and *Sus erymantheus,* from Samos, three specimens of *Tragoceras* from Pikermi, and two indetermined mammalia from Caylux.

One femur of a Lemur, and two Hippopotamus vertebræ from Madagascar.

A collection of Vertebrate remains from La Grive Ste. Alban, comprising part of a mandible of *Pseudælurus* and of *Progenetta* (figured), part of jaw of *Erinaceus sansaniensis,* and a mandible of *Stenoplesictis* (figured). Also Bones of

Rhinoceros, *Chalicotherium*, &c., from Steinheim, and a tusk of *Sus* from Samos.

About thirty specimens of remains of *Hippopotamus*, &c., from the Bedford Gravel, &c.

2. *Aves*.—The type specimen of *Oolithes Bathonicæ* figured in the Quart. Journ., Geol. Soc., 1860, p. 108.

Thirty-three bones of *Æpyornis*, from the Tertiary, Sirabé, and other localities in Madagascar.

Twenty bird bones from the Cambridge Greensand.

A series of thirty-two bird-bones *Milvus*, *Totanus*, *Palæortyx*, *Phasianus*, &c., from La Grive St. Alban.

A very long and slender tibia of *Dinornis*, showing marks of cutting, from North Island, New Zealand.

3. *Reptilia*.—Twenty-one vertebræ and twenty-one parts of limbbones of Dinosauria, from the Jurassic, S.W. Madagascar, and eighteen Reptilian remains from the Tertiary of Sirabé.

A fossil Lizard, *Aigialosaurus*, from the Neocomian, Austria.

Three hundred and eighty-four bones, scutes and teeth of Reptilia from the Cambridge Greensand, also 24 bones of Crocodilia from the Oxford Clay.

Seventy specimens of Coal-Measure Amphibia, four being figured and described.

A crocodile jaw and bones, also one egg and two portions of shell of Tortoise, from Madagascar.

A very complete Pliosaurian skull with teeth, a *Plesiosaurus* with head and neck, and a dorsal series of vertebræ with well preserved pectoral and pelvic girdles; also a skull and lower jaw of *Peloneustes*, with a few cervical vertebræ and paddle bones, all from the Oxford Clay, Fletton.

A series of bones of *Iguanodon Fittoni*, from Hollington Quarry, and of *Iguanodon Dawsoni*, from Buckshole Quarry, near Hastings, also a femur and vertebræ of *Pleurosaurus*, and a tibia and vertebræ of Crocodile.

4. *Pisces*.—A collection of Fish-remains from the Upper Silurian of the Isle of Oesel, viz.: sixteen specimens of *Thyestes verrucosus*, six of *Cephalaspis Schrenki* and six of *Trematáspis Schrenki*.

Eleven Fish remains from the Jurassic formations of Gloucestershire and Dorset.

Six fishes from the Lithographic stone, Solenhofen, Bavaria.

Ten specimens of *Palæospondylus Gunni*, one of *Pterichthys Milleri*, and three dermal plates of *Homosteus Milleri* (figd. and descd. in Proc. Zool. Soc. 1891, pp. 198-201, figs. 1–4); all from the Old Red Sandstone, Caithness.

A series of teeth of *Lepidotus*, *Chrysophrys*, and *Gyrodus*; also

also *Cosmolepis Egertoni*, from the Lias, Barrow-on-Soar.

An undescribed fossil Fish from the Miocene, China.

Fish-vertebræ from the Speeton Clay and Thanet Sands.

One fossil Fish from the Purbeck, Upway, near Weymouth; also four fish-palates and one tooth.

Five teeth of *Notidanus*, etc., and two prickles of *Raia*, from the Red Crag, Sutton.

A series of selected specimens of *Trematapis*, from Oesel, Livland.

A collection of four hundred remains of fossil fishes from the Cambridge Greensand.

A collection of Coal-Measure fishes, comprising five hundred Elasmobranch, thirty-three Acanthodian, fifty Dipnoan, forty-six Rhizodont, one hundred and fifty-five Osteolepid, seventy-five Cœlacanth, eighty-six Palæoniscid, and fifty-seven Platysomid fishes; sixty-eight of which are "types," and have been figured and described.

A specimen of *Pterichthys*, from the Old Red Sandstone, Caithness.

A specimen of *Eukeraspis* from the Ludlow Bone bed, and two Ptychodus from the Upper Chalk.

Teeth of *Lamna*, *Otodus*, &c., from the Phosphorites of Algeria, and one specimen of *Macrosemius pectoralis*, from the Portlandian, Savonnières-en-Perthois, Department Meuse, France.

Two specimens and one counterpart of undescribed Teleostean fish, from the Tertiary shales of Layang, Province of Chantung, China.

B.—Invertebrata.

(*a.*) *Mollusca.*—Four Cephalopods from the Jurassic of Dorset and Gloucestershire.

A collection, comprising upwards of two thousand seven hundred Pliocene Mollusca, &c., from Monte Mario, Rome.

A mandible of Cephalopod, from the Lias, Lyme Regis, and one *Sagenocrinus* from the Wenlock Limestone.

Three specimens of *Voluta Lamberti* and one *Vermetus*, from the Coralline Crag. Five *Fusus antiquus*, &c., from the Red Crag, Sutton.

One thousand one hundred and fifty-two specimens of Mollusca, from the Greensand of Cambridge.

A collection of Tertiary shells, from Alabama, numbering about forty-two species.

Seven specimens of *Teredo* sp., from the Kimeridge Clay, Shotover Hill, Oxfordshire.

Ten Devonian Goniatites, from Herault; also several specimens of *Bellerophon*, from the Silurian, Herault.

A Trigonellite, from the Kimeridge Clay, Garsington; two *Orthoceras*, from the Silurian near Ludlow; also one *Cardiola interrupta*, Upper Ludlow, Purton.

A fine specimen of *Trigonia* from the Kimmeridge Clay.

A specimen of hard chalk, with *Belemnitella*, from Glenarm, Armagh.

A slab of London Clay septaria, with shells from Hornsey.

A specimen of *Nautilus Hunstantoniensis* from the Red Chalk of Hunstanton.

A collection of mollusca, comprising one thousand eight hundred and seventy-nine Gasteropoda, and one thousand four hundred and seventy-nine Lamellibranchiata, from the Crag, Suffolk (formed by the late Robert Bell, F.G.S.; several specimens being figured).

Eighty-six Mollusca, from the Coal-Measures, Coalbrookdale, part of Professor Prestwich's Collection, some being figured and described in his paper, "Geology of Coalbrookdale."

(*b.*) *Brachiopoda* and *Bryozoa*.—Thirty-three specimens of Brachiopoda, and thirty-nine Polyzoa, from the Cambridge Greensand.

One hundred and twelve specimens of Bryozoa, from the Tertiary of Australia, mounted for the microscope, described by Mr. A. W. Waters, F.G.S.

A series of Brachiopoda, from the Silurian, Herault, and eight specimens from the Llandeilo Flags, Builth.

One hundred specimens of Oolitic Bryozoa.

Thirty-three specimens of Brachiopoda, from the Suffolk Crag.

Eighty-one Brachiopoda, from the Coal-Measures, Coalbrook-dale (part of Professor Prestwich's Collection).

(*c.*) *Crustacea* and *Insecta*.—Thirty-three fossil Insects from the Jurassic of Dorsetshire and Gloucestershire, one figured in Murchison's Geology of Cheltenham, 1845, pl. 8, fig. 5; also eighteen Crustacea from the same locality.

A Crustacean claw from Upway, near Weymouth.

Thirty specimens of *Cyclus testudineus*, &c., from the Carboniferous Limestone, Eskdale (one figured and described in the Geol. Mag., December 1894).

Specimens of *Bunodes*, *Eurypterus Fischeri*, *E. remipes*, and *Pterygotus*, from Oesel, Livland.

Two hundred and seventy-four Crustacean remains from the Cambridge Greensand.

A small series of Silurian Trilobites, from Herault.

Sixty-six Trilobites, from the Llandeilo Flags, Builth.

A slab covered with specimens of *Estheria membranacea*, Old Red Sandstone, Caithness.

Five

Five Portlandian Crustacea, from the Island of Portland.

Sixteen Limuloid and other Crustacea, from the Coal-Measures, Coalbrook-dale (several being figured by Professor Prestwich, in his "Geology of Coalbrook-dale)."

(*d.*) *Echinodermata.* — Fifteen Echinoderms from the Jurassic formation of Dorsetshire and Gloucestershire.

Ten slabs of Crinoids representing the genera *Scaphiocrinus, Actinocrinus, Cromyocrinus,* &c., from the Carboniferous Limestone, near Bristol.

Thirty-nine specimens of Echinodermata from the Cambridge Greensand.

Three specimens of *Clypeus Mulleri.*

Forty-four Crinoids from the Chert bed of the Carboniferous age, Burlington Limestone, Louisiana.

(*e.*) *Zoophyta.* — Forty-six specimens of Jurassic Corals from Dorsetshire and Gloucestershire.

A series of specimens of Coral from the Cambridge Greensand.

Twelve Corals from the Coal-Measures of Coalbrook-dale, &c. (part of Professor Prestwich's Collection).

(*f.*) *Protozoa.*—A series of Sponge remains and Foraminifera from the Cambridge Greensand.

Thirty specimens and thirteen slides of Foraminifera from the Gault of Folkestone, figured in the Journ. Royal Microscopical Society, 1894.

C.—Plantæ.

Eighteen Jurassic plants from Gloucestershire and Dorsetshire.

Two Greensand plants from the Isle of Portland.

Seventy-four fossil plants from the Wealden, Hastings.

Four hundred and seventy-seven plants from the Coal-Measures, Coalbrook-dale (part of Professor Prestwich's Collection), some few being figured in the "Geology of Coalbrook-dale."

The total number of specimens acquired during the past year has been as follows:—

A.—Vertebrata:		
By Donation - - - - -	904	
„ Purchase - - - - -	4,910	
„ Exchange - - - - -	43	
	——	5,857
B.—Invertebrata:		
By Donation - - - - -	758	
„ Purchase - - - - -	8,754	
„ Exchange - - - - -	80	
	——	9,592

C.—PLANTÆ:

By Donation - - - - -	284	
,, Purchase - - - - -	572	
,, Exchange - - - - -	—	
		856
TOTAL Acquisitions in 1894 - -		16,305

VIII.—*Exchanges, and Duplicates.*

The following exchanges, which were sanctioned by the Trustees, have been completed in the past year, viz. :—

1. Eighty Mollusca, Corals and Bryozoa, from the Upper Silurian of Dudley (part of the "Madeley Collection") offered by Mr. Robt. F. Damon, in exchange for 30 *duplicate* Siwalik Mammalia.

2. Twenty-two Solenhofen and other fossils, desiderated by the Museum, offered by Mr. B. Sturtz, of Bonn, in exchange for sixteen coloured casts of figured fossils (duplicates) in the Museum.

3. A series of casts of fossil bones of Birds from the Mauritius, offered by the Cambridge University Museum in exchange for a cast of *Archæopteryx*.

4. Six Russian fish-remains, from the Imperial Academy of St. Petersburg, offered in exchange for a *duplicate* specimen of *Cephalaspis Pagei* and a cast of *Cephalaspis Murchisoni*.

Duplicates.—101 *Duplicate* Cephalopoda were transferred by the Trustees to Professor J. W. Judd, F.R.S., V.P.G.S., of the Royal College of Science, to aid in his series of lecture-specimens.

796 Miscellaneous *duplicate* fossils were transferred by the Trustees to the University College of South Wales, Cardiff, for teaching purposes.

IX.—*Lectures and Demonstrations.*

Miss Goodrich Freer delivered a Lecture, and gave a Demonstration in the Gallery to the Members of the "Parents National Educational Union," on February 3rd to 33 Members.

,, ,, 10th ,, 46 ,,
,, ,, 17th ,, 42 ,,
,, ,, 24th ,, 45 ,,

Miss Whitely also delivered lectures to the same Society on March 2nd to 32 Members.

,, 4th ,, 17 ,,
,, 16th ,, 15 ,,

Dr.

Dr. Woodward gave a Demonstration on Fossil Reptilia to the Members of the Geologists' Association on March 17th. Fifty-seven members were present.

Mr. A. S. Woodward gave a Demonstration to 27 students of the University of Cambridge on April 5th.

Miss Rose, on behalf of the "Association of Women Pioneer Lecturers," delivered a Lecture

On	April	12th	to 17	Members.
,,	,,	19th	,, 14	,,
,,	,,	26th	,, 18	,,
,,	May	3rd	,, 17	,,
,,	,,	10th	,, 10	,,
,,	,,	17th	,, 10	,,

The members of the Hertfordshire Natural History Society, to the number of 35, were conducted through the Gallery on April 21st, and a lecture was delivered by one of its members.

Mr. C. W. Andrews gave a Demonstration to 24 students from Toynbee Hall on September 1st.

X.—Students.

The number of visits from Students and Readers who have consulted the collection and the Geological Reference-Library for the purposes of scientific work during the past year, and who have received assistance from members of the staff, was 5,176.

Henry Woodward.

Department of Geology,
6 February 1895.

Department of Mineralogy.

The Staff and its Duties.

The staff of the Mineral Department consists of the Keeper, three Assistants, four Attendants, and one Boy-Attendant. The duties are distributed as follows:—

Three Assistants.—To one is assigned most of the scientific and executive work relating to the collection of *mineral species;* this includes the preliminary examination of specimens submitted for purchase or exchange, the registration and incorporation of those recently acquired, the determination of the physical and geometrical characters, and the preparation of species-, variety-, and locality-labels.

To a second is assigned similar work relative to the specimens of *rocks.*

To a third is generally assigned the *chemical analysis* of both minerals and rocks.

Though a mineralogist can no longer satisfactorily attempt to keep abreast of scientific knowledge and undertake scientific work in more than one of the three main branches of the subject (physical, petrological, and chemical), such a sharp limitation of the work of the assistants would be contrary to the interests of the Museum; hence, as far as possible, it is arranged that each assistant has the opportunity of acquiring a general knowledge of the specimens preserved in the department, and of thus becoming more useful than he otherwise would be during the absence of his colleagues.

Four Attendants.—One is specially employed in the preparation of thin sections of minerals and rocks for examination with the microscope; a second is charged with the arrangement and cataloguing of the departmental library; the two others with the more mechanical work of the chemical laboratory, the packing and unpacking of specimens, copying, &c.

One Boy-Attendant.—The boy-attendant is charged with the sale of the departmental guides, attends on the superior officers as required, and does a large part of the simpler mechanical work, such as the filling of trays with clean cotton-wool.

The general duties of dusting the cases, assisting the officers in the gallery, &c., are also performed by the attendants and boy-attendant.

General.

A complete chemical and physical examination of the rare mineral Augelite has been made, and a description prepared for publication; quantitative analyses have also been made of the Bherai meteorite, Zinckenite, and a Zeolite.

Crystallographic and optical determinations have been made of Apatite, Pyrites, Sphene, Acmite, Spangolite, Boron, Leucite, Cuprite, Garnet, Idocrase, and numerous Zeolites.

The descriptive catalogue of Tetrahedrite, Iron Pyrites, Stephanite, and Bournonite has been brought up to date.

Chemical examinations have been made of Stercorite, Serpentine, Sphærostilbite, Cinnabar, Diadochite and Pitticite (16 specimens), and some rare Tantalum- and Zirconium-minerals.

Twenty-seven doubtful minerals and meteorites have been chemically examined in the laboratory, and 15 determinations of specific gravity have been made.

A complete series of variety-labels, the requisite species- and locality-labels, and a series of labels for the polished specimens of Ornamental Stones exhibited in a wall-case in the corridor, have been prepared and printed.

A slip

A slip-catalogue of the rock-sections, arranged according to species, has been commenced.

Ninety-one sections of rocks and minerals, and eight of meteorites have been prepared; three meteorites have been cut for exchange; five mineral slices have been prepared, and 32 specimens have been cut for exhibition with the Ornamental Stones.

Arrangement.

In the Mineral Gallery the following changes of arrangement have been made:—

The wall-cases occupying one side of the Pavilion have been re-fitted with shelves and distempered for the exhibition of large specimens, of which 130 have been transferred to them from the lower parts of the cases in the Gallery; and the work of mounting each specimen upon a separate polished wooden stand with an ornamental label has been begun.

The worked articles have been removed from a table-case in the Pavilion and incorporated with the collection of species; the series of mounted crystals (natural and artificial) has been transferred from the window-cases in the Gallery to the wall-cases in the Pavilion.

The specimens presented in 1893 by J. C. Williams, Esq., M.P., have been incorporated with the general collection.

The wall-case containing polished specimens of Ornamental Stones has been newly fitted, and the specimens have been specially mounted and labelled.

The specimens of Quartz, Hæmatite, Parisite, Cromfordite, Witherite, and Strontianite exhibited in the cases have been re-arranged, and, where necessary, re-mounted and re-labelled; the topographical arrangement of the mineral specimens preserved in the drawers has been continued, that of the phosphates, arsenates, sulphates, borosilicates, and zeolites, being completed.

The reserve crystals of diamond have been mounted and exhibited in the table-case.

A series of specimens illustrating the enclosure of one mineral in another, a series of minerals which have originated artificially, and some examples of slickensides, have been arranged in two window-cases.

A series of specimens selected as examples of volcanic products has been arranged in a wall-case of the Gallery.

The collection of pseudomorphs has been removed from the seven window-cases on the south side of the Gallery, and a selected series of them has been arranged in three table-cases in the Pavilion.

The series of typical rocks has been transferred to the window-cases thus set free, and has been greatly extended; for the remaining window-cases on that side of the Gallery

specimens are being selected to illustrate an introduction to the study of rocks.

One of the meteorite-cases and the compartments containing drawers in all the window- and wall-cases have been made more dust-proof.

New Assistant.

The assistantship rendered vacant by the death of Mr. T. Davies has been filled by the appointment of Mr. L. J. Spencer, B.A., F.G.S.

Departmental Library.

To the Departmental Library have been added 144 separate works (in 134 volumes), 44 memoirs and pamphlets, 10 parts of works not yet completed, and 12 maps and charts.

Of the above, 92 volumes were acquired by presentation or transfer; all of them, including 464 plates, have been registered and stamped.

Visitors.

The number of visits recorded as made to the Department for purposes of consultation or study is 1,994; of these 864 were more especially for purposes of study.

Exchanges.

Exchanges have been arranged during the year with Professor J. W. Judd, F.R.S., of the Royal College of Science, South Kensington, with C. S. Bement, Esq., of Philadelphia, and with Professor C. Blomstrand, of Lund, Sweden.

Duplicates.

Seven large duplicate rock-specimens, and a large slice of Fluor have been presented to the Museum of Science and Art, Edinburgh.

A large specimen of Fluor has been presented to the Museum of Science and Art, Dublin.

Acquisitions.

One thousand four hundred and forty-five specimens have been acquired during the year 1894, namely:—407 minerals, 1,030 rocks and 8 meteorites. These have been registered, numbered, labelled and incorporated with the collection. The more important of them are named below:—

Minerals.

By Presentation:

A collection of 36 mineral specimens, mostly English; by L. Cust, Esq.

Salt and Nitre; from the Algerian Sahara; and Halloysite from Faroe; by Miss C. Birley.

Auriferous

Auriferous Marcasite; Morgan Gold Mine, Dolgelly, Wales; by Pritchard-Morgan, Esq., M.P.

Iron Pyrites; Almeria, Spain; by H. B. Fulton, Esq.

Perofskite; Zermatt, Switzerland; by the Rev. J. M. Gordon.

Sapphire; Australia; by E. W. Streeter, Esq.

Pyrolusite; Penmaenmawr, North Wales; by S. J. Da Costa, Esq.

Sulphur; Rotoroa, New Zealand; by F. A. Bather, Esq., F.G.S.

Pyrophyllite; China; by Prof. A. H. Church, F.R.S.

Jamesonite; Foxdale, Isle of Man; by H. W. Finch, Esq.

Gold in a Quartz crystal; by L. F. Reichling, Esq.

Franklinite from New Jersey; Quartz from New York; Copper Pyrites from Chester County, Pennsylvania; Alunite from Colorado; by Professor S. L. Penfield.

Pitchblende; Grampound Road, Cornwall; by B. Kitto, Esq.

Microlite; Minas Geraes, Brazil; by Dr. E. Hussak.

Garnet; Plas Newydd, Anglesey; by Professor A. H. Green, F.R.S.

Zircon and Sapphire from Australia; Ruby-sand from Burmah; by Messrs. F. Powell & Co.

Chrysotile and Mica from Australia; Gypsum from Egypt; Mica from India; by F. A. Butler, Esq.

Variscite and Oolitic Sand; Utah, U.S.A.; by Dr. J. E. Talmage.

Brongniartite; Aulagas, Bolivia; by J. Aillon, Esq.

Topaz and Ferberite; Colorado; by Milton Moss, Esq.

Green Marble and Beryllium phosphate; Baroda, Kathiawar, India; by R. B. Foote, Esq., F.G.S.

Nitre; Cape Colony, South Africa; by G. A. Watermeyer, Esq.

Sulphur; Beluchistan; by Lieut. P. M. Sykes.

Cinnabar; Bay of Islands, New Zealand; by W. C. Peake, Esq.

Auerlite, Rutile and Sapphire; by W. E. Hidden, Esq.

Coal; Tschikawa-Teti, East Africa; by W. C. Cunningham, Esq.

Iron Pyrites; Kishm Island, Persian Gulf; by S. Butcher, Esq.

By Purchase:

Fourteen facetted precious stones, namely:—Andalusite, three Green Sapphires, Idocrase, five Tourmalines, Zircon, Ruby, Idocrase, Beryl.

Gold Quartz, a very rich specimen; Morgan Gold Mine, Merionethshire.

Cassiterite slickenside; St. Agnes, Cornwall.

Copper, Cerussite, Marshite (a new mineral), Silver, Embolite, Anglesite, Wulfenite, Chessylite, all in fine examples; Broken Hill Mines, New South Wales.

Chalybite, a new type; East Pool Mine, Cornwall.

Cumengite, a new mineral; Boleo, Lower California.

Danalite, the second specimen known from Cornwall.

Schweizerite; Dognaczka, Hungary.

Pseudo-brookite; Aranyer-berg, Transylvania.

Beryl; Ville d'Er, Brittany.

Silicified Wood; a beautiful polished slice.

Quartz; a very large rare twin-crystal; Brazil.

Cristobalite in good crystals; Mayen, Rhenish Prussia.

Bastnäsite, a fine crystallised specimen; El Paso County, Colorado, U.S.A.

Rhodo-arsenian, Magneto-stibian, Talc-Knebelite and Lindesite, four new species; Sjögrufvan, Örebro, Sweden.

Barytes; Frizington, Cumberland.

Neptunite, a new mineral; Igaliko, Greenland.

Whewellite, an extremely rare mineral; Dresden, Saxony.

Hintzeite; crystallised; Stassfurth, Magdeburg, Prussia.

Sulfoborite, a new mineral; Westeregeln, Magdeburg, Prussia.

Bertrandite, in large crystals; Pisek, Bohemia.

Tridymite finely crystallised; Mt. Dore, Auvergne.

Galena; Freiberg, Saxony.

Wulfenite; Kappel, Carinthia.

Hæmatite, a new type; Dognaczka, Hungary.

Diamond, six peculiar crystals from Brazil, and a limpid octahedron from South Africa.

Quartz, a rare twin; Goto, Japan.

Ralstonite; Evigtok, Greenland.

Hyalite in small spheres; Etchni, Japan.

Gold, the finest crystallised specimen found in California.

Tysonite and Bastnäsite, a very fine crystallised specimen; El Paso County, Colorado, U.S.A.

Rutile, a large twin crystal; Brazil.

Argentopyrite; Chañarcillo, Chili.

Carbonado, a specimen of the pure material; Brazil.

Olivine crystals; Auvergne.

Silver pseudomorphous after Calcite, a unique example; Durango, Mexico.

Silver slickenside; Batopilas, Mexico.

Jadeite, a polished slice; Mexico.

Thulite, a large polished slab; Lexviken, Norway.

Cupro-uranite; Grampound Road, Cornwall.

Magnetite; Binnenthal, Switzerland.

Calcite; Frizington and Egremont, Cumberland.

Teruelite; Aragon, Spain.

Enargite; La Rioja, Argentine Republic.

Orthoclase; Mourne Mountains, Ireland.

Scapolite,

Scapolite, a large crystal; Bamle, Norway.
Knopite, a new mineral; Alnö, Sundsvall, Sweden.
Lossenite, a new mineral; Camaresa, Laurium, Greece.
Elpidite, a new mineral; Igaliko, Greenland.
Hydrocalcite; Wohnsdorf, Silesia.
Kylindrite, a new mineral; Poopo, Bolivia.
Crossite, a new mineral; Berkeley, California.
Leadhillite, a very fine specimen; Granby, Missouri, U.S.A.
Caswillite, a new mineral; Franklin, New Jersey, U.S.A.
Seven Gold specimens from South Africa.
Melonite: Boulder County, Colorado, U.S.A.
Gold crystallised in Iron Pyrites; Gilpin County, Colorado, U.S.A.
Seventeen very rare Tellurium minerals; Colorado.
Opal in the form of a cast of a bivalve shell; Australia.
Binnite, a very fine crystal; Binnenthal, Switzerland.
Blödite; Taltal, Chili.
Huantajayite in crystals; Iquique, Chili.
Darapskite, a new mineral; Taltal, Chili.

By Exchange:

Augelite, a portion of the only specimen known; Westanä, Sweden.

The following are the species new to the Collection which were acquired during 1894:—

Augelite, Caswillite, Crossite, Chloro-sapphire, Cristobalite, Cumengite, Darapskite, Elpidite, Ferberite, Hydrocalcite, Knopite, Kylindrite, Lautarite, Lindesite, Lossenite, Magneto-stibian, Marshite, Melonite, Rhodoarsenian, Schweizerite, Sulfoborite, Talc-Knebelite, Teruelite.

Rocks.

By Presentation:

A collection of 67 auriferous and other specimens from South Africa; by Major Ricarde Seaver.

A collection of 101 specimens from Matto Grosso, Brazi; by Dr. J. W. Evans, F.G.S.

Dwyka Conglomerate; Natal; by the Natal Government through Sir F. Abel, F.R.S.

Dwyka Conglomerate; Cape Colony; by Dr. Th. Schönland.

Antique Porphyry, a large polished slab from the ancient quarries in Djebel Dokhan, Egypt; by H. Yates Thompson, Esq.

A collection of 91 specimens from Bechuanaland; by F. E. Harman, Esq.

A collection of 82 specimens from India and Ceylon; by Lord Colin Campbell.

Granite, three polished slabs; Shap, Westmoreland; by the Shap Granite and Patent Concrete Company.

Corsite, a polished block; Corsica; by Dr. L. C. de Landfort.

Sixty-five rocks from Torres Straits; by Professor A. C. Haddon, M.A.

By Purchase:

Thirty-eight rocks from Finland.

Ninety-one tuffs and volcanic rocks from the neighbourhood of Rome.

Two hundred and twenty rocks from the Island of Giglio, Italy.

Sixty-five rocks from Ireland.

One hundred and ninety-six rocks and ores from China.

Meteorites.

By Presentation:

Makariwa, Invercargill, New Zealand; weight 27·3 grams. From Professor G. H. F. Ulrich, F.G.S.

Bherai, Bombay Presidency, India; fell 28th April 1893. From His Highness the Nawab of Junagadh.

By Purchase:

Zebrak, Bohemia; fell 14th October 1824; weight 76 grams.

Lissa, Bunzlau, Bohemia; fell 3rd September 1808; weight 147 grams.

MacKinney, Collen County, Texas; weight 290 grams.

Curizalillo, Desert of Atacama, Chili; weight 20,250 grams.

Oynchimura, Japan; fell 29th October 1886; weight 2,551 grams.

Plymouth, Indiana, U.S.A.; weight 446 grams.

By Exchange:

Hamblen County, Tennessee, U.S.A.; 143 grams.

Bridgewater, Burke County, North Carolina, U.S.A.; 51 grams.

Hex River Mountains, Cape Colony, South Africa; 245 grams.

Decatur County, Kansas, U.S.A.; 525 grams.

Smithville, De Kalb County, Tennessee, U.S.A.; 1,745 grams.

Costilla County, Colorado, U.S.A.; 1,595 grams.

Oroville, Butte County, California, U.S.A.; 62 grams.

Of the above meteorites, those of which the names are italicised were new to the Collection.

19th January, 1895. *L. Fletcher.*

Department of Botany.

During the past year 20,670 specimens have been named, mounted, and incorporated with the general Herbarium. These have consisted principally of specimens of *Bixineæ* and *Rosaceæ* from Western Tropical Africa; *Myrtaceæ* and *Malvaceæ* from Africa; *Vochysiaceæ* and *Polygalaceæ* from Brazil; *Geraniaceæ* from South Africa; *Leguminosæ* from Europe and Asia; *Malvaceæ* from Chili; *Melastomaceæ* from India and America; *Umbelliferæ* from Abyssinia; *Primulaceæ* from India; *Asclepiadaceæ* from Africa; *Urticaceæ* from China; *Orchideæ* from Tropical Africa; *Aroideæ* from India; *Gramineæ* from Johore and Assam; Mosses and *Hepaticæ* from the West Indies and Africa; *Algæ* from the Cape; and Fungi from North America and the West Indies; of plants from Bulgaria, collected by Blöckj; Arabia, collected by the Bent Expedition; Singapore, by Ridley; Afghanistan, by Aitchison; Mato Grosso, Brazil, by Spencer Moore; and of Syria, by Post; and of numerous specimens belonging to the following Orders from different parts of the world:—*Guttiferæ*, *Malvaceæ*, *Myrtaceæ*, *Melastomaceæ*, *Leguminosæ*, *Compositæ*, *Convolvulaceæ*, *Solanaceæ*, *Scrophularineæ*, *Verbenaceæ*, *Labiatæ*, *Nepenthaceæ*, *Bromeliaceæ*, *Cyperaceæ*, *Gramineæ*, *Filices*, *Lycopodiaceæ*, *Equisetaceæ*, *Algæ*, *Fungi*, Mosses and Lichens.

The collections of plants made in his expedition to Tropical Africa by Dr. Gregory have been named, and the collections made in Kolguev Island by Mr. Trevor-Battye.

In the progress of the work the officers of the Department have been occupied as follows:—

Mr. E. G. Baker has principally been engaged in incorporating with the general Herbarium the polypetalous plants gathered in Syria by Dr. Post, in Mexico by Dr. Pringle, in Natal by J. M. Wood, in Afghanistan by Aitchison, and by different collectors in Tropical Africa. He has arranged the collections made at different times in Europe and Western Asia of *Leguminosæ*, and has laid a large number into the Herbarium. The plants of the Order *Guttiferæ* have been arranged and revised in accordance with the recent monograph by Vesque; and the species of *Oxalis* from Chili have been named up from the recent memoir of Dr. Reiche. With the assistance of Professor Greene, of California University, he has determined a large number of Californian plants. Several collections of plants have been determined, and the new species belonging to the Polypetalæ have been described, including the plants collected by Dr. Gregory in his expedition in Central Africa, and the plants collected by Mr. Trevor-Battye.

Mr. James Britten has worked out, in accordance with recent monographs, the Tropical African plants of the Orders *Convolvulaceæ*, *Scrophularineæ*, *Solanaceæ*, *Labiatæ* and *Verbenaceæ*, and has entirely re-arranged the Orders *Convolvulaceæ* and *Labiatæ*. He has named and incorporated the plants of these and other Orders with the general collection. The *Monopetalæ* of Welwitsch, Clarke, Beddome, Miers, Shuttleworth and others have been laid in, and numerous additions have been made to the *Compositæ*, more especially the Australian species, and to the *Ericaceæ*. A large number of additions to the British Herbarium have been arranged for incorporation. He has devoted considerable time to the superintendence of the Library Catalogue, and to the various matters arising in connection therewith. He has re-arranged numerous genera in the collection of prints and drawings. He has identified the plants of Welwitsch's "Apontamentos," and has named the *Monopetalæ* of Mr. Trevor-Battye's collection from Kolguev, and parts of Dr. Gregory's African collection.

Mr. A. B. Rendle has compared, named and incorporated with the general Herbarium the *Apetalæ*, *Monocotyledones*, and *Gymnosperms* collected in Bulgaria by Striborcy; in Syria, by Post; in Arabia, by the Bent Expedition; in Algeria, by Munby; in Usambara, by Holst; in Tropical Africa, by Steudner, Gregory, and Preuss; in South Africa, by Schlechter; in North Asia, by Bunge; in Kolguev Island, by Trevor-Battye; in India, by King; in the Straits Settlements, by Ridley; in Borneo, by Lobb; in New Guinea, by Hellwig; in Canada, by Macoun; in Mexico, by Pringle; in Jamaica, by Fawcett; and, in Uruguay, by Aplin. He has incorporated the fruits of Monocotyledonous plants collected by Welwitsch in the general collection. Special attention has been given to the Flora of Tropical Africa; the specimens of the petaloid Monocotyledons in the Herbarium have been revised, and a number of new species collected by Dr. Gregory and the Rev. W. E. Taylor have been described. The African species of *Pandanus* have also been revised, and several novelties described. Several genera of *Iridaceæ* and other petaloid Monocotyledons have been re-arranged, and he has devoted considerable time to the genus *Panicum*, especially to the elucidation of criticial East Indian species. He has nearly completed the morphological series of Dicotyledonous plants in the Index Museum.

Mr. Antony Gepp has revised the species of the Orders *Neckeraceæ*, *Hypnaceæ*, *Cryphaeaceæ*, *Pottiaceæ*, and *Calymperaceæ*. He has named collections of Mosses and Hepatics from East Tropical Africa, Borneo, and Kolguev Island, and has devoted much time to the determination of several collections from the West Indian Islands.

Mr. G. R. Murray has been chiefly engaged in incorporating additions

additions to the *Fungi* and *Algæ*, upwards of 6,000 specimens of those plants being added to the Herbarium. About two-thirds of these were *Fungi*, mostly of the Ravenal collection, and the remainder were *Algæ*. He has determined collections of *Algæ* from New Zealand, Vancouver, the Antilles, and the Indian Ocean, and added them to the Herbarium.

The Herbarium was enriched by the presentation by Mrs. Hassall of the collection of Fresh-water Algæ which belonged to her late husband, Dr. Arthur Hill Hassall, author of the "British Fresh-water Algæ." This collection contains, as far as they have been preserved, the types of Dr. Hassall's work; their acquisition is the more important as they must form the basis of any critical revision of these plants.

The transverse section of the *Sequoia gigantea* has been put together and erected in the Great Hall. Sections of the tree have been presented to Kew Gardens, and to the Museums of the University of Cambridge, the University of Glasgow, Owens College, Manchester, the University of Upsala, the College of Science, London, and the Museum, Bradford. A series of British woods has been presented to the Council of the Surveyors' Institution, Westminster.

The additions to the collections by presentation have consisted of 1,815 plants from Malaya, by H. N. Ridley, Esq.; 384 plants from Canada, by the Director of the Geological Survey of Canada; 261 plants from Borneo, by Dr. Haviland; 133 plants from Penang, by Mr. Curtis; 156 plants from Arabia, collected in the Bent Expedition, from Mr. Bent; 129 plants from Jamaica, by Mr. Fawcett; 58 plants from Greenland, by the University of Copenhagen; 27 plants from Nyasaland, collected by Mr. R. Crawshay, by Dr. Sclater; 14 species of orchids and 42 specimens of Pitcher plants, from Messrs. Veitch and Sons; 22 plants from Australia, by Baron von Muller; a new species of *Abutilon* from India, by the Director of Kew Gardens; 10 specimens of New Zealand plants, by Mr. H. O. Forbes; specimens of *Gossypium Stocksii*, by Dr. T. Cooke; seven species of cultivated orchids, by Miss Woolward; a new species of *Sphæralcea*, from Mr. J. N. Rose; 46 specimens of Algæ from Natal, by Maurice S. Evans, Esq.; 11 specimens of West Indian Fungi, by W. R. Elliott, Esq.; 57 specimens of Marine Algæ from the Cape of Good Hope, from W. Tyson, Esq., and five species from the same locality, by Major Reinbold; 31 fungi from North Italy, from W. W. Strickland, Esq.; 21 species of Algæ from Greenland, from the Botanical Museum, Copenhagen; 62 Cellular Cryptogams, from the Director of the Botanic Garden, Singapore; 26 Cryptogams from Sarawak, from Charles Hose, Esq.; 30 species of Mycetozoa, from Professor McBride; interesting Cryptogams, from Graf zu Solms-Laubach, Mr.

 Weber

Weber von Bosse, Dr. Günther, Colonel Feilden, W. W. Baggally, Esq., H. Morland, Esq., Surgeon Axford, R.N., Dr. Bommer, E. Grove, Esq., Professor Barnes, L. S. Cheney, Esq., and the Rev. R. P. Murray; seven slides of Diatomaceæ, collected by Sir Joseph Hooker in India, from the Director of Kew Gardens; and 17 Algæ, collected in the Bent Expedition to Arabia, from Mr. Bent.

The following additions have been made by presentation to the British Herbarium:—753 specimens, from the Rev. W. Hunt Painter; 22 species, from Mr. A. W. Bennett; specimens of *Cyperus fuscus*, from Hampshire, from the Rev. W. R. Linton; specimens of *Carex incurva*, from Holy Island, from Professor Oliver; specimens of *Astragalus alpinus* and *Menziesia polifolia*, from Scotland, from Mr. A. B. Hall; specimens of *Erodium*, from Ireland, from Professor Perceval Wright; specimens of *Trichomanes radicans*, from Monmouthshire, from Mr. W. Robinson; 39 specimens of Marine Algæ, from Professor Johnson; 71 specimens of Algæ, and 12 Fungi, from Miss A. Lorrain Smith; 18 specimens of Fungi, from the Hon. Mabel de Grey; and interesting specimens from David Robertson, Esq., Dr. Masters, Professor Stewart, J. Saunders, Esq., George Brebner, Esq., T. W. Powell, Esq., W. Herring, Esq., W. Whitwell, Esq., W. G. Smith, Esq., W. R. Ogilvy Grant, Esq., and W. H. Pearson, Esq.

The following additions have been made by exchange for duplicates:—108 microscopic preparations of British Hepaticæ, from Miss Tindall; 308 species of Tropical African plants, 48 species from Japan, and 292 Cellular Cryptogams, from the Director of the Royal Botanical Museum, Berlin; 670 specimens of plants from India and Malaya, from Dr. King, of Calcutta; and 46 Norwegian plants, from T. Wulff, Esq.

The following collections have been acquired by purchase:—100 specimens of African plants, collected by Schlechter; 315 from Anatolia, collected by Bornmüller; 100 species of European Fungi from Rabenhorst; 161 plants from Bulgaria, collected by Wagner; 96 species from Galicia, collected by Dr. Blöckj; 200 species from Mexico, collected by Pringle; 50 sections of American woods prepared by Hough; a collection of British Rubi, collected by the Rev. E. F. Linton; 46 preparations of British Marine Algæ, by Buffham; 150 Mosses and Lichens, from Canada, collected by Macoun; 200 species of fresh-water Algæ, from Wittrock and Nordstedt; 350 European Fungi, from Sydow; 25 *Characeæ*, from Migula, Sydow, and Wahlstedt; 100 Fungi of Saxony, from Krieger; 150 species of economic Fungi, from Seymour and Earle; 146 species of Cryptogams, from Brazil, from Mr. Spencer Moore; 100 species of Algæ, from Hauck and Richter; 193 species of Mosses, from N. America, from Rev. A. C. Waghorne; 400 species of parasitic Fungi, from Scandinavia, from Erikson; 124 species of Lichens, from the collections

tions of the late Rev. M. J. Berkeley; 25 British Algæ, from Holmes; 50 North American Mosses from Renauld and Carnot; 95 British Algæ, from Buffham; 25 parasitic Fungi, from Briosi and Cavara; 200 species of European plants from Schultz's Herbarium Normale; 157 plants from Syria, from Post; 116 specimens of Natal plants, from Wood.

There have been added to the collection of prints and drawings of plants six original drawings of Malayan plants, presented by Mr. Ridley, and 55 original drawings by Bolton.

The following works have been presented to the Library of the Department:—Journal of the Royal Horticultural Society, vol. xvi., Part I—III.; vol. v., 2, 4, 5, 6, 9, by the Council and Secretary; Tokutaro Ito, Botany and Zoology, by Keisuke Ito, from the Author; G. Schweinfurth and P. Ascherson, Ueber Balsam und Myrrhe, by P. Ascherson; Records of the Botanical Survey of India, vol. i. part 1—4, by the Director; A Manual of Orchidaceous Plants, 2 vols., by H. J. Veitch; Sir J. D. Hooker, The Flora of British India, Part XX., 1894, by the India Office; G. King, Materials for a Flora of the Malayan Peninsula, No. 6, by the Author; B. L. Robinson, North American Alsineæ, &c., by the Author; The Journal of the Kew Guild, 1893, 1894, by W. Watson; D. Prain, Memoirs and Memoranda, presented by the Author; Nederlandsch Kruidkundig Archief, vol. vi., Pt. III., by the Society; C. Curtis, Catalogue of Plants of Penang, by the Author; W. Trelease, Leitneria floridana, and J. G. Smith, Sagittaria, by W. Trelease; G. King, Annals of the Roy. Bot. Garden, Calcutta, Vol. IV., by the Author; T. R. Sim, Flora of Kaffraria, by the Author; Catalogues of Rare Plants, by W. Bull; J. M. Wood, Natal Plants, by the Author; Emily C. Harris, New Zealand Berries, Ferns, Flowers, by the Author; Buchoz, Herbier des Plantes med. de la Chine, 1781, by J. J. Merriman; B. L. Robinson and M. L. Fernald, New Plants of North Western Mexico, by the Authors; B. T. Galloway, Potato Diseases; M. B. Waite, Pollination of Pear flowers; L. H. Dewey, Russian Thistle; Contributions, National Herbarium, vol. ii., Part III., by Hon. J. S. Morton; F. H. Knowlton, Fossil Flora of Alaska, by Smithsonian Institution; Missouri Botanical Garden, 5th Annual Report, by W. Trelease; G. E. Ellis, Memoir of J. Bigelow, by J. Britten; J. W. H. Trail, Syllabus of Lectures on Botany, by the Author; W. A. Talbot, List Trees, &c., Bombay Presidency, by the India Office; R. W. Phillips, List of Plants of Bangor, by the Author; E. L. Rand and J. H. Redfield, Flora of Mount Desert Island, Maine, by the Authors; J. Morong and N. L. Britton, Plants collected in Paraguay, 1888–90, by Spencer Moore; J. M. Macoun, Contributions from the Herbarium, Geological Survey of Canada, by the Author;

Report, Botanical Exchange Club of the British Isles, by C. Bailey; D. H. Campbell, Elements of Structural Botany, by the Author; Handbook on Viticulture for Victoria, by Secretary for Agriculture; R. A. Philippi, Comparacion Flora i Faunas Chile i Arjentina, by E. G. Baker; Quarterly Record, Royal Botanical Society, London, January—September, 1894, by the Society; Journal of Botany, 1894, by J. Britten; Pharmaceutical Journal, 1893–94, by the Pharmaceutical Society; Garden, 1894, by W. Robinson; Bulletin Mensuel de la Société Linnéene de Paris, Nos. 142–145, by M. Baillon; Bulletin Botanical Department of Jamaica, 1894, by W. Fawcett; John Rattray, Revision of the Genus *Coscinodiscus*, by the Royal Society of Edinburgh; W. H. Pearson, Description of a new Irish Hepatic, by the Author; E. M. Holmes, Description of a new species of *Phacelocarpus*, by the Author; J. Renauld and J. Cardot, Musci Americani Septentrionalis, by the Authors.

The following catalogues have been issued during the year 1894:—

A Monograph of Lichens found in Britain; being a descriptive catalogue of the species in the Herbarium of the British Museum, by the Rev. J. M. Crombie, Part I. (8vo., 519 pp. and 74 wood-cuts).

A Monograph of the Mycetozoa; being a descriptive catalogue of the species in the British Museum, by Arthur Lister (8vo., 224 pp., 78 plates and 51 wood-cuts).

The following memoirs dealing with collections preserved in the Herbarium have been published by the officers of the Department during the past year:—

The Plants of Milanji, Nyasa Land, collected by Mr. Alex. Whyte, F.L.S., and described by Messrs. Britten, Baker, Rendle, and Gepp, with an introduction by Mr. Carruthers. Trans. Linn. Soc., Vol. IV.

Notes on *Convolvulaceæ*, chiefly African, with descriptions of new species, by Messrs. Britten and Rendle. Journal of Botany, 1894.

Notes on *Orchis strateumatica* and *Linoceria cotinifolia* in the Banksian Herbarium, by Mr. Britten. Journal of Botany, 1894.

Revision of the African species of *Lobelia*, section *Rhynchopetalum*, with descriptions of new species, by Mr. E. G. Baker. Journ. Bot., 1894.

A new tree *Senecio*, from Tropical Africa, by Mr. E. G. Baker. Journ. Bot. 1894.

Notes on *Guttiferæ*, with descriptions of new species, by Mr. E. G. Baker. Journ. Bot., 1894.

A revision of the Genus *Nipadites*, by Mr. A. B. Rendle. Journ. Linn. Soc., xxx.

Grasses

Grasses from Johore, with description of new species, by Mr. A. B. Rendle. Journ. Bot., 1894.

Tropical African *Asclepiadeæ*, with descriptions of a new genus and several new species, by Mr. A. B. Rendle. Journ. Bot., 1894.

Tropical African Screw-Pines, with descriptions of new species, by Mr. A. B. Rendle. Journ. Bot., 1894.

The number of visitors to the Herbarium for scientific research or inquiry during the past year has been 2,129.

William Carruthers.

BRITISH MUSEUM M. D. NATURAL HISTORY

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RETURN to an Order of the Honourable The House of Commons, dated 23 April 1896;—*for*,

ACCOUNT "of the INCOME and EXPENDITURE of the BRITISH MUSEUM (SPECIAL TRUST FUNDS) for the Year ending the 31st day of March 1896; and, RETURN of the Number of PERSONS admitted to visit the MUSEUM and the BRITISH MUSEUM (NATURAL HISTORY) in each Year from 1890 to 1895, both Years inclusive; together with a STATEMENT of the PROGRESS made in the ARRANGEMENT and DESCRIPTION of the COLLECTIONS, and an ACCOUNT of OBJECTS added to them in the Year 1895."

Treasury Chambers,
25 June 1896.

R. W. HANBURY.

(*Sir John Lubbock.*)

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90, WEST NILE STREET, GLASGOW; or
HODGES, FIGGIS, & Co., LIMITED, 104, GRAFTON STREET, DUBLIN.

258.

CONTENTS.

Page

I.—ACCOUNT OF THE RECEIPT AND EXPENDITURE OF THE BRIDGEWATER FUND, for the Year ended 31st March 1896 - - - - - - - - - - - - 4

II.—ACCOUNT OF THE FARNBOROUGH FUND, for the same period - - - - - - - - - - - - - - 4

III.—ACCOUNT OF THE SWINEY FUND, for the same period - 6

IV.—ACCOUNT OF THE BIRCH FUND, for the same period - - 6

V.—ACCOUNT OF THE TAPLING BEQUEST, for the same period 8

VI.—ACCOUNT OF THE TURNER BEQUEST, for the same period 8

VII.—RETURN of the Number of PERSONS admitted to visit the BRITISH MUSEUM and the BRITISH MUSEUM (NATURAL HISTORY) in each Year from 1890 to 1895, both Years inclusive - - - - - - - - - - - - - - 10

VIII.—STATEMENT of GENERAL PROGRESS at the MUSEUM (Bloomsbury) - - - - - - - - - - - - - - 14

IX.—STATEMENT of PROGRESS made in the ARRANGEMENT and DESCRIPTION of the COLLECTIONS, and ACCOUNT of OBJECTS added to them, in the Year 1895 (Bloomsbury) - - - 17

X.—Ditto - - - ditto - - - (Natural History) - - - 90

I.—AN ACCOUNT of the RECEIPTS AND EXPENDITURE of the

		Cash.	Stock, 2¾ °/₀ Consols.
		£. s. d.	£. s. d.
To Balances on the 1st April 1895 - - -		219 4 4	13,150 13 10
- Dividends received on 13,150*l.* 13*s.* 10*d.* Stock in 2¾ per Cent. Consols, bequeathed by the Earl of Bridgewater, viz.:			
	£. s. d.		
On the 5th April 1895 -	90 8 2		
„ 5th July 1895 -	90 8 3		
„ 5th October 1895 -	90 8 2		
„ 6th January 1896 -	90 8 3		
		361 12 10	
- Rent of a Real Estate, bequeathed by the Earl of Bridgewater (less charges of collection and repairs) - - -		22 11 11	
	£.	603 9 1	13,150 13 10

II.—AN ACCOUNT of the RECEIPTS AND EXPENDITURE of the

		Cash.	Stock, 2¾ °/₀ Consols.
		£. s. d.	£. s. d.
To Balances on the 1st April 1895 - - -		41 10 11	2,879 10 7
- Dividends received on 2,879*l.* 10*s.* 7*d.* Stock in 2¾ per Cent. Consols, bequeathed by Lord Farnborough, viz.:			
	£. s. d.		
On the 5th April 1895 -	19 15 11		
„ 5th July 1895 -	19 15 11		
„ 5th October 1895 -	19 15 11		
„ 6th January 1896 -	19 15 11		
		79 3 8	
	£.	120 14 7	2,879 10 7

BRIDGEWATER FUND, from the 1st April 1895 to the 31st March 1896.

	Cash.	Stock, 2¾ °/₀ Consols.
	£. s. d.	£. s. d.
By Payment of one Year's Salary to the Egerton Librarian - - - - - - -	210 - -	
- Payment for the Purchase of Manuscripts	356 - -	
- Balances on the 31st March 1896, carried to Account for 1896-97 - - -	37 9 1	13,150 13 10
£.	603 9 1	13,150 13 10

FARNBOROUGH FUND, from the 1st April 1895 to the 31st March 1896.

	Cash.	Stock, 2¾ °/₀ Consols.
	£. s. d.	£. s. d.
By Payment for the Purchase of Manuscripts	111 9 -	
- Balances on the 31st March 1896, carried to Account for 1896-97 - - -	9 5 7	2,879 10 7
£.	120 14 7	2,879 10 7

III.—AN ACCOUNT of the RECEIPTS AND EXPENDITURE of the

			Cash.	Stock, $2\frac{3}{4}$ °/o Consols.
			£. s. d.	£. s. d.
To BALANCES on the 1st April 1895 - - -			114 8 4	5,583 1 6
- DIVIDENDS received on 5,583*l.* 1*s.* 6*d.* Stock in $2\frac{3}{4}$ per Cent. Consols, bequeathed by Dr. George Swiney for Lectures on Geology, viz.:				
On the 5th April 1895 -	£. 38 7 8			
„ 5th July 1895 -	38 7 8			
„ 5th October 1895	38 7 8			
„ 6th January 1896	38 7 8		153 10 8	
		£.	267 19 -	5,583 1 6

IV.—AN ACCOUNT of the RECEIPTS AND EXPENDITURE of the

			Cash.	Stock, $2\frac{3}{4}$°/o Consols.
			£. s. d.	£. s. d.
To BALANCE on the 1st April 1895 - - -			- -	565 3 9
- DIVIDENDS received on 565*l.* 3*s.* 9*d.* Stock in $2\frac{3}{4}$ per Cent. Consols, bequeathed by Dr. Birch in 1766, for the three Under Librarians of the British Museum, viz.:				
On the 5th April 1895 -	£. 3 17 9			
„ 5th July 1895 -	3 17 8			
„ 5th October 1895 -	3 17 9			
„ 6th January 1896	3 17 8		15 10 10	
		£.	15 10 10	565 3 9

SWINEY FUND, from the 1st April 1895 to the 31st March 1896.

	Cash.	Stock, 2¾ °/₀ Consols.
	£. s. d.	£. s. d.
By Salary paid to Dr. J. G. Garson, for Lectures on Geology in 1895 - - - - - -	150 - -	
- Balances on the 31st March 1896, carried to Account for 1896-97 - - -	117 19 -	5,583 1 6
£.	267 19 -	5,583 1 6

BIRCH FUND, from the 1st April 1895 to the 31st March 1896.

	Cash.	Stock, 2¾ °/₀ Consols.
	£. s. d.	£. s. d.
By Legacy paid to the three Under Librarians of the British Museum, whose offices existed in 1766, viz., the Keepers of the Departments of Printed Books, Manuscripts, and Natural History - - -	15 10 10	
- Balance on the 31st March 1896, carried to Account for 1896-97 - - -	-	565 3 9
£.	15 10 10	565 3 9

V.—AN ACCOUNT of the RECEIPTS and PAYMENTS in connection
1st April 1895 to

		Cash.	Stock in Local Loans, 3 %.
		£. s. d.	£. s. d.
To BALANCES on the 1st of April 1895 -		35 16 6	500 – –
– DIVIDENDS received on Local Loans Stock, viz.:			
On 700*l.* on the 5th April 1895 - - - - -	£. 5 5 –		
On 500*l.* Stock on the 5th July 1895 - - - -	3 15 –		
On 500*l.* Stock on the 5th October 1895 - - -	3 15 –		
On 500*l.* Stock on the 6th January 1896 - - -	3 15 –		
		16 10 –	
– AMOUNT realised by Sale of 200*l.* Local Loans Stock, less Brokerage - - -		219 14 –	
	£.	272 – 6	500 – –

VI.—AN ACCOUNT of the RECEIPTS and PAYMENTS in connection
1st April 1895 to

		Cash.	Stock in Metropolitan 3 %.
		£. s. d.	£. s. d.
To BALANCES on the 1st April 1895 - - -		85 3 –	1,200 – –
– DIVIDENDS received on Metropolitan 3 per cent. Stock, viz.:			
On 1,200*l.* on the 1st May 1895 - - - - -	£. 9 – –		
On 1,000*l.* on the 1st August 1895 - - - -	7 10 –		
On 1,000*l.* on the 1st November 1895 - - - -	7 10 –		
On 1,000*l.* on the 1st February 1896 - - - -	7 10 –		
		31 10 –	
– AMOUNT realised by sale of 200*l.* Metropolitan 3 per cent. Stock, less Brokerage, &c.		221 12 6	
	£.	338 5 6	1,200 – –

with the BEQUEST of the late Mr. T. K. TAPLING, M.P., from the the 31st March 1896.

	CASH.	STOCK in Local Loans, 3 %.
	£. s. d.	£. s. d.
By PAYMENTS for mounts, etc., for Mr. Tapling's Collection of Stamps - - - - - -	10 15 6	
- PAYMENTS to special Assistants engaged to continue the arrangement and mounting of the collection - - - - - -	254 19 6	
- SALE OF STOCK - - - - - - - -	- -	200 - -
- BALANCES ON THE 31ST MARCH 1896, carried to Account for 1896-97 - - -	6 5 6	300 - -
£.	272 - 6	500 - -

with the BEQUEST of the late Miss E. T. TURNER, from the the 31st March 1896.

	CASH.	STOCK in Metropolitan 3 %.
	£. s. d.	£. s. d.
By AMOUNT expended on the site of Curium, in the Island of Cyprus, including travelling and subsistence allowance of an Assistant from the British Museum - -	331 15 5	
- SALE OF STOCK - - - - - - - -	- -	200 - -
- BALANCES ON THE 31ST MARCH 1896, carried to Account for 1896-97 - - -	6 10 1	1,000 - -
£.	338 5 6	1,200 - -

E. Maunde Thompson,
Principal Librarian and Secretary.

VII.—NUMBER of PERSONS ADMITTED to VISIT the BRITISH MUSEUM and the BRITISH MUSEUM (NATURAL HISTORY).

A.—PERSONS admitted to View the GENERAL COLLECTIONS in the British Museum in each Year from 1890 to 1895, both Years inclusive.

	1890.		1891.		1892.		1893.		1894.		1895.	
	Day. No.	Evening. No.	Day. No.	Evening. No.	Day. No.	Evening. No.	Day. No.	Evening. No.	Day. No.	Evening. No.	Day. No.	Evening. No.
JANUARY -	35,013	—	33,563	3,237	33,559	2,789	38,872	2,839	42,063	2,905	39,516	2,399
FEBRUARY -	31,876	15,230	31,369	3,836	32,482	3,964	36,824	3,062	35,634	3,029	29,739	1,762
MARCH -	32,092	9,535	44,058	3,984	39,484	3,531	38,815	2,915	49,272	3,375	37,247	2,448
APRIL -	54,141	7,442	42,270	4,012	48,980	3,222	49,104	2,740	43,576	3,206	50,772	2,629
MAY - -	43,101	6,212	46,449	3,865	37,358	3,906	42,624	3,142	50,434	3,531	39,914	2,519
JUNE - -	34,318	4,963	35,677	galleries closed.	41,516	3,284	37,280	2,736	44,408	3,106	43,059	2,787
JULY - -	45,036	4,712	45,753	3,246	40,904	2,613	43,308	1,969	47,498	2,604	48,696	2,264
AUGUST -	49,710	3,543	52,998	4,420	71,044	4,354	51,132	2,906	64,150	4,051	65,328	3,124
SEPTEMBER	39,429	4,301	39,440	4,273	50,353	4,504	45,226	3,931	44,594	3,724	39,787	3,299
OCTOBER -	36,061	4,431	37,162	3,581	44,339	3,506	44,529	3,424	44,177	3,256	42,996	2,839
NOVEMBER	31,105	3,629	32,007	3,346	37,964	3,095	38,435	2,458	37,861	2,997	37,363	2,485
DECEMBER -	31,951	2,341	34,019	2,349	39,946	2,751	38,064	2,225	37,297	2 229	37,485	1,966
Total Number of Persons admitted to view the General Collections -	463,833	66,339	474,765	40,149	517,929	40,619	504,213	34,347	540,964	38,013	511,902	30,521
	530,172		514,914		558,548		538,560		578,977		542,423	

NUMBER OF VISITS TO PARTICULAR DEPARTMENTS.	1890.	1891.	1892.	1893.	1894.	1895.
To the Reading Room, for the purpose of research and reference -	197,823	198,310	197,984	194,102	202,973	194,924
To the Newspaper Room, for the purpose of research - - -	15,216	14,529	14,590	14,747	15,394	13,031
To the Map Room, for the purpose of special research - -	178	162	209	208	278	288
To the Department of Manuscripts, for the purpose of examining Select and other Manuscripts - - - -	7,805	8,257	8,197	9,310	9,610	8,784
To the Print Room, for the purpose of study - - - -	5,220	5,370	5,474	5,645	5,705	5,966
To the Egyptian and Assyrian Department, for the purpose of study - - - -	—	—	—	1,619	1,600	1,730
To the Galleries of Sculpture for the purpose of study - -	11,686	6,625	5,815	5,311	6,272	5,245
To the Coin and Medal Room, for the purpose of study, &c. -	1,988	1,727	1,723	2,440	2,612	2,516
To the Gold Ornament and Gem Room - - - - - -	19,128	19,607	19,801	17,900	20,420	*
TOTAL - - -	259,044	254,587	253,883	251,282	264,864	232,484

* Visitors to the Gold Ornament and Gem Room are not now included in the number of students, the room being, under present arrangements, open freely to the general public.

The Exhibition Galleries of the British Museum, Bloomsbury (including the Departments of Printed Books and Maps, Manuscripts, Oriental Printed Books and Manuscripts, Prints and Drawings, Egyptian and Assyrian Antiquities, Greek and Roman Antiquities, British and Mediæval Antiquities and Ethnography, and Coins and Medals), are open to the public, free, as under :—

MONDAY, WEDNESDAY, FRIDAY, and SATURDAY—The whole of the Galleries.

TUESDAY and THURSDAY—The whole of the Galleries, except British and Mediæval Antiquities and Ethnography and rooms in the "White" Wing.

The hours of Admission are from—

10 a.m. till 4 p.m. in January, February, November, December.

10 a.m. till 5 p.m. in March, September, October.

10 a.m. till 6 p.m. in April, May, June, July, August.

Also on—

MONDAY and FRIDAY EVENINGS (8 to 10 p.m.)—Egyptian, Assyrian, Semitic, Religious and American Collections.

WEDNESDAY and SATURDAY EVENINGS (8 to 10 p.m.)—Greek and Roman Collections.

TUESDAY and THURSDAY EVENINGS (8 to 10 p.m.)—Manuscripts, King's Library, Porcelain and Glass, and Prints and Drawings, Prehistoric, Ethnographical and Mediæval Collections.

The Museum is closed on Sundays,* Good Friday, Christmas Day, and days of Public Fast and Thanksgiving.

Persons applying for the purposes of research and reference are admitted to the Reading Room under certain regulations every day, except the days specified below, in the months of January, February, March, April, September, October, November, and December, from 9 a.m. till 8 p.m.; and in the months of May, June, July, and August, from 9 till 7. The Newspaper Room is open, under similar regulations, from 10 a.m. until ten minutes before the hour of general closing.

The Reading Room, Newspaper Room, and Students' Room, Department of Manuscripts, are closed on Sundays, Good Friday, Christmas Day, and the first four week-days in March and September.

* *See* postscript on p. 13.

Students are admitted generally to the several Departments from 10 till 4 o'clock: to the Sculpture Galleries from 9 o'clock till the hour of general closing; and to the Print Room from 10 till 4 o'clock from January to March, and from August to December, and from 10 till 5 from April to July.

British Museum,
31 March 1896.

E. Maunde Thompson,
Principal Librarian and Secretary.

B.—PERSONS ADMITTED TO VIEW THE COLLECTIONS IN THE BRITISH MUSEUM (NATURAL HISTORY), CROMWELL ROAD, in each Year from 1890 to 1895, inclusive.

	1890:	1891:	1892:	1893:	1894:	1895:
JANUARY	24,273	25,146	30,002	23,789	30,093	28,073
FEBRUARY	17,937	21,376	22,984	24,204	27,884	19,986
MARCH	22,439	39,697	26,014	26,181	44,117	30,532
APRIL	45,309	32,102	43,765	44,042	29,260	57,730
MAY	38,034	36,841	24,516	43,420	40,243	35,112
JUNE	32,381	26,405	33,697	31,134	30,586	42,019
JULY	29,820	31,923	25,612	36,714	29,752	40,120
AUGUST	40,434	47,635	37,193	59,072	54,606	69,762
SEPTEMBER	29,329	32,217	26,285	30,011	32,375	27,121
OCTOBER	28,138	31,496	28,965	34,848	34,152	33,573
NOVEMBER	23,144	23,366	24,539	26,847	27,308	29,822
DECEMBER	24,444	27,702	28,345	27,946	33,191	32,887
TOTAL Number of Persons admitted to view the Natural History Collections (including Students)	355,682	375,906	351,917	408,208	413,572	446,737

Number of Visits to particular Departments, for the purpose of Study—	1890:	1891:	1892:	1893:	1894:	1895:
ZOOLOGY	9,034	9,443	10,932	10,872	10,730	8,189
GEOLOGY	3,771	2,961	4,107	4,955	5,176	5,986
MINERALOGY	623	946	1,751	1,714	1,994	2,073
BOTANY	1,244	2,226	2,585	2,274	2,129	2,206
TOTAL	14,672	15,576	19,375	19,815	20,029	18,454

The Exhibition Galleries of the British Museum (Natural History), Cromwell-road, South Kensington, including the Departments of Zoology, Geology and Palæontology, Mineralogy, and Botany, are open to the public, free, every day of the week, except Sunday,* and except Good Friday and Christmas-day, and days of Public Fast or Thanksgiving.

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* *See* postscript on p. 13.

The Hours of Admission are from—

10 a.m. till 4 p.m. in January, November and December.
10 a.m. till 4.30 p.m. in February.
10 a.m. till 5 p.m. in October.
10 a.m. till 5.30 p.m. in March and September.
10 a.m. till 6 p.m. in April, May, June, July and August.
10 a.m. till 8 p.m. on Monday and Saturday only, from 1st May to the middle of July.
10 a.m. till 7 p.m. on Monday and Saturday only, from the middle of July to the end of August.

Persons are admitted daily to study in these Departments from 10 till 4 o'clock.

British Museum (Natural History), 31 March 1896. — *W. H. Flower*, Director.

P.S.—*In accordance with the Resolution of the House of Commons on the 10th March, the Exhibition Galleries of both Museums are now opened provisionally to the public on Sunday afternoons.*

British Museum, 30 May 1896. — *E. Maunde Thompson*, Principal Librarian and Secretary.

VIII.—General Progress at the Museum, Bloomsbury.

The purchase from the Duke of Bedford of the houses and gardens immediately contiguous to the Museum premises on the east, north, west, and south-west, for the sum of 200,000*l.* granted by Parliament, has been completed.

The total number of visitors to the Museum in the year 1895 amounts to 542,423, a falling off of more than 36,000 from that of 1894, which, however, was more than usually high.

The total number of visits of students to the Reading Room during the year was 194,924, being 8,000 less than that of 1894. The daily average was 643.

The average numbers of persons in the room counted at certain hours in the afternoon were :—

4 P.M.	5 P.M.	6 P.M.	6.30 P.M.	7 P.M.	7.30 P.M.
354	265	182	113	124	90

The number of volumes supplied to readers was 1,405,866, as against 1,470,191 in 1894.

There was generally a reduction in the numbers of visits of students to the several Departments.

The collections of antiques and ornaments in gold and silver, and of engraved gems, have been re-arranged in the new Gold Ornament Room, which has been thrown open to the public. The exhibition has been largely supplemented by loans from Sir A. Wollaston Franks, K.C.B.

A more scientific arrangement of the sculptures from the site of the Temple of Diana at Ephesus has been taken in hand, and has made good progress.

The excavations commenced in Cyprus in 1893-94, with means placed at the disposal of the Trustees by the bequest of the late Miss Emma T. Turner, have been continued on the ancient site of Curium with important results, remains of the Mycenæan period having been recovered in addition to other antiquities of value and archæological interest.

Two purchases of more than ordinary interest and importance were made from funds specially voted by Parliament. The correspondence and papers of Admiral Lord Nelson, which were in possession of Viscount Bridport, were secured for 3,000*l.*; and the very choice cabinet of drawings by Old Masters and of early Italian and German engravings, formed

formed by the late Mr. John Malcolm, of Poltallöch, passed into the hands of the Trustees for 25,000*l.*

Presentations of Museum publications, including reproductions of prints and of drawings by Old Masters and casts of antique gems, have been made to Free Public Libraries, Local Museums, and Art Schools throughout the United Kingdom.

Among the donations received during the year, the following may be specially mentioned :—

From William Mitchell, Esq., a very valuable collection of German and other woodcuts, including a series by Albert Dürer which is almost complete, and quite unrivalled in quality and condition.

By bequest from the late Lady Charlotte Schreiber, her comprehensive and valuable collection of playing-cards.

From Sir A. Wollaston Franks, K.C.B., an extensive and interesting collection of rare title pages, book illustrations, and woodcuts; a large collection of rubbings of the sepulchral brasses of Norfolk ; and a valuable series of Battersea enamels.

The following are the publications issued by the Departments at Bloomsbury during the year :—

Continuation of the General Catalogue of the Library, quarto, 20 parts, viz. : — Protestatio-Pueltz; Regnacq-Remarks; Revol-Ribelles; Riber-Richy ; Ricimer-Rissons; Rist-Robinski ; Robinson-Roesky ; Roesl-Romdahl; Romea-Rosemundus ; Rosen-Creutz-Rougeyron ; Rough-Rudolstaedter; Rudoni-Russi ; Russia-Rzyszczewski; S.—Sacerdoti; Sach-Saint and Saint-Acheul—Sainte-Périne (names of places); Saint-Saliez; Salig-Samtiden ; Samu-Sant du Bois; Santé-Saunter ; Schmid-Schoendoerffer ; and one excerpt "Ptolemæus."

Catalogue of Accessions to the Library, quarto, 26 parts.

The Papyrus of Ani, the Book of the Dead ; the Egyptian Text, with interlinear transliteration and translation, introduction, &c., by E. A. Wallis Budge, LITT.D.

Catalogue of Additions to the Manuscripts in the British Museum, 1888–93.

Catalogue of the Stowe Manuscripts in the British Museum. Vol. I.

Catalogue of Seals in the Department of Manuscripts in the British Museum, by W. de G. Birch. Vol. IV.

Guide to the Manuscripts, Autographs, Charters, Seals, Illuminations, and Bindings, exhibited in the Department of Manuscripts and in the Grenville Library.

Facsimiles of Royal, Historical, Literary, and other Autographs in the Department of Manuscripts. First Series. Nos. 1 to 30.

Guide to the principal gold and silver Coins of the Ancients from *circ.* B.C. 700 to A.D. 1. Fourth Edition.

Guide to an Exhibition of Drawings and Engravings by the Old Masters, principally from the Malcolm Collection. Second edition.

British Museum,
31 March 1896.

E. Maunde Thompson,
Principal Librarian and Secretary.

IX.—PROGRESS made in the ARRANGEMENT AND CATALOGUING OF COLLECTIONS, AND ADDITIONS MADE TO THEM, in the Year 1895. (Bloomsbury.)

DEPARTMENT OF PRINTED BOOKS.

I. *Arrangement.*—The works added to the collection during the past year have, as far as possible, been placed on the shelves of the Library according to the system of classification adopted in the Museum.

The press-marks, indicating their respective localities, have been marked on the inside and affixed to the back of each volume; also on the title-slips.

The total number of these press-marks amounts to 78,946; in addition to which, 47,613 press-marks have been altered, in consequence of changes and re-arrangements carried out in the Library; 36,472 labels have been affixed to books and volumes of newspapers, and 90,668 obliterated labels have been renewed.

The process of attaching third-marks to the books in the New Library, with the view of accelerating their delivery to readers, has been continued; 20,687 books have been thus marked during the year, and the corresponding alterations, amounting to 53,823, have been carried out in the General, Gallery, and Hand Catalogues; 1,222 volumes of country newspapers have also been numbered, and for London and country newspapers 2,835 index-slips have been written.

The number of stamps impressed upon articles received has been 409,739.

About 2,800 presses of books and newspapers have been dusted in the course of the year.

II. *Catalogues.* — (*a*) *Cataloguing.* — 49,444 titles have been written (the term "title" applying equally to a main title and to a cross-reference). Of these, 38,460 were written for the General Catalogue, 2,586 for the Map Catalogue, and 8,398 for the Music Catalogue.

(*b*) *Printing.*—39,961 titles and 861 index-titles for the General Catalogue, 1,004 titles for the Map Catalogue, and 8,512 titles for the Music Catalogue have been prepared for printing during the year, and 39,789 title-slips and 861 index-slips for the General Catalogue, 1,004 title-slips for the Map Catalogue, and 8,512 title-slips for the Music Catalogue were printed off.

Progress has also been made in printing the whole Catalogue in alphabetical sequence from the beginning. With

the exception of the headings "England," "France," "Germany," "Great Britain," and "Liturgies," and part of the heading "Bible," the Catalogue, at the end of 1895, was either printed or at press as far as the heading "Schoquius."

One hundred and seventy-eight manuscript volumes have been prepared and sent to press during the year, and 19 printed parts, representing 158 manuscript volumes, have been delivered by the printer.

(*c*) *Incorporation.*—(1) *General Catalogue.*—37,988 title-slips and 638 index-slips have been incorporated into each of three copies of this Catalogue. This incorporation has rendered it necessary, in order to maintain, as far as possible, the alphabetical arrangement, to remove and re-insert 23,078 title-slips in each copy, and to add to each copy 258 new leaves; while, in the preparation of the manuscript volumes for printing, it has been necessary to remove and re-insert 31,740 title-slips in one copy only.

The system of fortnightly incorporation, introduced in 1889, has been carried out with perfect regularity during the past year.

(2) *Hand Catalogues.*—The number of new entries made in the Hand Catalogue of "Academies" was 163; in that of "Periodical Publications," 527; in that of Maps and Charts, 1,619; and in the Hand Catalogues of London and of Country Newspapers, 1,251 and 1,584 respectively.

(*d*) *Map Catalogue.*—2,586 titles have been written for the Map Catalogue, and 1,983 title-slips have been incorporated into each of three copies of it. This incorporation has rendered it necessary to remove and re-insert 2,414 title-slips in each copy, and to add to each copy 53 new leaves.

(*e*) *Music Catalogue.*—8,398 titles have been written for the Music Catalogue, and 11,040 title-slips have been incorporated into each of two copies of it. This incorporation has rendered it necessary to remove and re-insert 10,407 title-slips in each copy, and to add to each copy 194 new leaves.

(*f*) *Shelf Catalogue.*—For this Catalogue, in which the title-slips, mounted on cartridge paper, are arranged in order of press-marks, about 60,900 have been so mounted, and about 160,250 have been incorporated into the boxes.

(*g*) *Catalogues of Books of Reference in the Reading Room.*—The additions and alterations in each of the three interleaved copies of the Catalogue of Books of Reference in the Reading Room, which are requisite in order to record the changes in this collection by the addition of new works, and the exchange of old for new editions, have been made. The number of additions to each copy has been 62.

The

The collection of books in the galleries of the Reading Room has continued to receive additions by the incorporation of new works of interest and importance, and the substitution of new for older editions. The number of additions to each of the two interleaved copies of the Catalogue of this collection has been 149.

III. *Binding.*—The number of volumes and sets of pamphlets sent to be bound in the course of the year has been 12,065, including 2,517 volumes of newspapers. In consequence of the frequent adoption of the plan of binding two or more volumes in one, the number of volumes returned has been 8,413; in addition to which 384 pamphlets have been separately bound. 173 volumes have been repaired at the binder's. Besides this, the following binding work has been done in the Library itself: — 4,848 volumes have been repaired; 381 broadsides, &c., have been inserted in guard-books; and 1,835 volumes have been formed, in a light style of binding, of reports, time-tables, parts of periodicals, &c.; the plan introduced in 1892, and extended in 1894, of carrying out such work in the Library still proving very satisfactory and economical.

The following maps, charts, &c., have also been bound or mounted during the year:—25 atlases, 6 volumes of the Ordnance Survey of Towns, 54 volumes of the 25-inch Ordnance Survey, and 2 volumes of the 6-inch Ordnance Survey have been bound; 47 sheets of the 1-inch (and under) Ordnance Survey, 56 sheets of the English Admiralty Charts, 101 sheets of the "Hydrographie Française," and 250 general maps have been mounted on linen, and 332 maps, &c., mounted on cards.

IV. *Reading Room Service.*—The number of volumes returned to the General Library from use in the Reading Room has been 898,428; to the Royal Library, 19,520; to the Grenville Library, 1,242; to the Map Room, 3,753; to the presses in which books are kept from day to day for the use of readers, 477,439; and to the Oriental Department, 5,484; making a total amount of 1,405,866 volumes supplied to readers during the year. The number of readers during the year has been 194,924, giving an average of about 643 daily, the room having been open on 303 days, and an average of over seven volumes daily for each reader, not reckoning those taken from the shelves of the Reading Room by the readers themselves.

Newspaper Room.—The total number of readers during the year has been 13,031, giving a daily average of 43. The number of volumes replaced after use was 41,031, giving a daily average of over three volumes to each reader, not

reckoning those, chiefly Parliamentary Papers, taken from the shelves of the Newspaper Reading Room by the readers themselves.

Map Room.—288 visitors have been admitted to the Map Room for the purpose of special geographical research.

V. *Additions.*—(*a*) 34,337 volumes and pamphlets (including 58 atlases, &c., and 1,391 books of music) have been added to the Library in the course of the year, of which 7,288 were presented; 11,867 received in pursuance of the laws of English copyright, 166 by colonial copyright; 544 by international exchange; and 14,472 acquired by purchase.

(*b*) 70,394 parts of volumes (or separate numbers of periodical publications and of works in progress) have also been added, of which 1,267 were presented; 37,241 received in pursuance of the laws of English copyright, 227 by colonial copyright; 318 by international exchange; and 31,341 acquired by purchase.

(*c*) 926 maps, in 5,795 sheets, have been added to the collection in the course of the year, of which 550 maps, in 702 sheets, were presented; 200 maps, in 4,420 sheets, received under the provisions of the laws of English copyright, 3 by colonial copyright; and 173 maps, in 670 sheets, acquired by purchase.

(*d*) 4,793 pieces of music, each complete in itself, have been acquired by copyright during the year.

(*e*) The number of newspapers published in the United Kingdom, received under the provisions of the Copyright Act during the past year, has been 3,098, comprising 205,646 single numbers; 1,191 of these newspapers were published in London and its suburbs; 1,456 in other parts of England and Wales and in the Channel Islands; 253 in Scotland, and 198 in Ireland; 5 volumes and 10,082 numbers of old newspapers, belonging to eight different sets, have been purchased; 151 sets, containing 23,222 numbers of foreign and colonial newspapers, have been presented; 84 sets, containing 18 volumes and 19,022 numbers of modern foreign and colonial newspapers, have been purchased; and 9 sets, containing 2,221 numbers, have been received by colonial copyright.

(*f*) The number of distinct works comprised in the 34,337 volumes and pamphlets, the 70,394 parts of volumes, the 926 maps, and the 4,793 pieces of music already mentioned amounts, as nearly as can be ascertained, to 34,316. Of these, 6,468 were presented; 15,291 acquired by Engish copyright

copyright, 169 by colonial copyright; 380 by international exchange; and 11,988 by purchase.

(*g*) 8,148 articles have been received in the Department not included in the foregoing paragraphs, comprising broadsides, Parliamentary Papers, and other miscellaneous items. The addition of this number to those already given produces a total of 121,948 articles received in the Department in the course of the year.

Acquisitions of Special Interest.—The most remarkable acquisition made during the past year has been the highly important one of no less than 1,014 editions and translations of the "Imitation of Christ" ascribed to Thomas à Kempis, including all those in the celebrated collection of the late Edmund Waterton, Esq., of Walton Hall, Yorkshire, which were not already in the Museum. By this acquisition the existing collection has been more than trebled. Another purchase of similar character and great interest was effected at the sale of the library of the late Rev. W. J. Blew, exceedingly rich in service books and liturgical works, many of which were acquired for the Museum. The most important of these was the Trondhjem Missal, Copenhagen, 1519, an almost unique book. The following also are worthy of special mention: the Bamberg Missal, Bamberg, 1490; the Narbonne Missal, Lyons, 1528; the Palencia Missal, Palencia, 1568; the Sarum Manual, Rouen, 1516; and the Geneva and Jaen Breviaries, Lyons, 1513, and Seville, 1528. More remarkable than any of these is one of the most celebrated of ancient missals, that of the Church of Uzès in the south of France, printed at Lyons by Johann Neumeister and Michel Topié, in 1495. It is peculiarly interesting as containing the "Prosa edita a venerabili fratre G. de Mādagoto, episcopo, cardinali de palastrino," one of the first examples of music printed from cast types. The only other copy known, that in the Diocesan Museum of Nîmes, is exceedingly imperfect. Another valuable acquisition in this department is the Breslau Missal, printed at Cracow for Johann Haller and Sebastian Hyber, 1505, a very fine and very rare book, remarkable for the subsequent insertion of a leaf containing an episcopal monition to the clergy, assuring them of the correctness of the text. The Pars Æstivalis of the Breviary of the Church of Ratisbon, Erhard Ratdolt, Augsburg, 1488, on vellum, is also to be named among important liturgies added to the Library.

Five separate books have been acquired which possess extraordinary literary as well as bibliographical interest:—

1. The first edition of Amadis of Gaul, printed by Georg Coci at Saragossa, 1508. The existence of any edition of this

fountain of chivalric romance earlier than the Roman of 1519 (recently acquired by the Museum at the Turner sale), though conjectured, was unproved until the discovery of this identical copy at Ferrara in 1872. There are rumours of the existence of an imperfect copy, but, so far as is positively known, this copy is unique. It is in splendid condition, and is a memorable acquisition in every point of view.

2. Even greater literary interest attaches to a very small book, the "Questio florulenta ac perutilis de duobus elementis aquæ et terræ," Venice, 1508, attributed to Dante. When this tract was reprinted by Torri in 1843 only two copies were known, and one of them was at the time mislaid. Five copies are known at present. Dante's authorship has been disputed, but the work is always included in the collective editions of his writings.

3. One of the most precious of early English books, so rare that its existence has been questioned, has been obtained in the first edition of Shelton's translation of Don Quixote, 1612. Only one other copy is certainly known at present, that in the library of Lord Ashburnham, from which, by his Lordship's favour, the missing title page and first leaf have been supplied in facsimile for this copy.

4. By a remarkable coincidence, at the very time that this almost unique copy of a translation of Don Quixote was purchased, the opportunity offered of acquiring one hitherto absolutely unknown, the first edition of Oudin's Version of the First Part, Paris, 1614. All bibliographies state this translation to have been first published in 1616, but the date 1614 here appears in the privilege, as well as on the title page.

5. The first extant edition of the French version of Calvin's Catechism, 1549. An earlier edition, printed at Strasburg in 1545, is lost.

Purchases of miscellaneous books of early date, or otherwise of special bibliographical interest, have been numerous. They include: Boethius' Commentary on the Topica of Cicero, printed in 1484, probably at Rome, by Oliverius Servius de Tolentino, a printer who is not known to have produced any other book with his name. Datus, Aliqua Documenta, Arnaldus de Bruxello, Naples, 1472; Caraccioli's Sermones, 1473, same place and printer; the first French edition of Rodrigo Sanchez de Arevalo, Le Miroir de la Vie Humaine, Lyons, 1477, a book of great rarity and one of the first French books with a date; Breviarium Historiale, Poitiers, 1479, the first book printed at Poitiers; Boutillier, Somme rurale, Paris, 1488; Cicero de Rhetorica Inventione, Zarotus, Milan, 1474; Flors de Virtuts, Barcelona, 1495; Valencian Confessional, Valencia,

Valencia, 1493; a translation of Aristotle's Ethics, Seville, 1493; the editio princeps of the Enchiridion of Sextus Pythagoraeus, edited by Laurentius Abstemius at Fano in 1502; Celadenus's Oration on the death of Pope Alexander VI., Rome, 1503, most interesting, unique, and unknown to historians until the acquisition of this copy; Leonardo Dati, Spera Volgare, Florence, 1514; Tolosani, Compendio di Spera et Machina di Mondo, same place and date, a book remarkable on many accounts, and especially for having been published as a contribution to the reform of the calendar projected by Pope Leo X.; Michael Vratislaviensis, Introductorium Astronomiæ Cracoviense, Cracow, 1507; Reisch, Margarita Philosophica, Fribourg, 1503; vellum copies of Sannazaro's Arcadia, Naples, 1504, and Bembo's Rime, Rome, 1548; Capitoles de Cortes, 1525 and 1535, Lisbon, 1539; the French romance of Jason, Alain Lotrian, Paris, about 1530; Cabeça de Vaca's "Relacion," Zamora, 1542, the only other known copy of which is in the Lenox Library at New York; Calvin's Sermons, Geneva, 1562; Spangenberg's Postilla on the Gospels, translated into Slovenian by Jurisic, Laybach, 1578, the one perfect copy out of the only four known; Alvarado, Vocabulario en lengua Mixteca, Mexico, 1593, with MS. additions; the first edition of Molière's Les Facheux, 1662; Le Dépit Amoureux, 1663; Le Médecin Malgré Lui, 1667; and Le Bourgeois Gentilhomme, 1671; Gazeta de Montevideo, 1810, the first example of printing in that city, except for some broadsides printed during the English occupation in 1807; "The Gallery of Fashion," published in monthly parts by N. Heideloff from January 1794 to March 1803, a splendid book of costume, with numerous additional plates inserted in this copy.

The most important acquisition in early English books is one of the highest interest, being the only known copy of the first edition of a book by Bunyan, "Christian Behaviour; or the Fruits of True Christianity. By John Bunyan, a Prisoner of Hope. London [1663]." This is the third of those of Bunyan's books which were composed in prison, and its existence was unknown until this copy was discovered some years ago in a chest of old books at Cranbrook, in Kent. An unknown edition of Coverdale's New Testament, 1538, has likewise been purchased, and the "Pathway to the pleasant Pasture of delitesome and eternall Paradyse," printed by H. Bynneman about 1574, a book of the greatest rarity. An almost unique acquisition, unfortunately imperfect, is Hart's "Methode to read English," 1570, one of the earliest works on phonetic orthography. Two very rare books of the seventeenth century have been acquired besides the Bunyan, "Posies for Rings, Handkerchers, and Gloves," 1645, and Grantham's translation of the first three books of the Iliad, 1660-63. With these may be mentioned two rare American

books, Cotton Mather's "Briefe Discourse," 1691, and Chief Justice Sewall's "Phænomena quædam Apocalyptica," 1693; also a curious contemporary ballad on the Battle of Dettingen. Among rare modern books, the most remarkable are R. L. Stevenson's second production, "The Charity Bazaar," privately printed at Edinburgh, and his "Not I," and "Moral Emblems," printed at his private press at Davos, 1881.

The additions of curiosities include three of especial interest: 1. An original wooden block, from which a block book, the "Speculum Humanæ Salvationis," was printed about 1480. 2. A proclamation by Queen Mary, 1st September 1553, complaining of the impoverishment of the Crown by the bad government of the Duke of Northumberland; but, nevertheless, remitting the subsidy granted by the late Parliament. No other proclamation by Queen Mary is known to exist in print, except those in the collection of the Society of Antiquaries. 3 A copy of the "Solemne League and Covenant," ordered by the English Parliament, on 29th January 1644, to be fairly printed in a fair letter, and hung up in every church in the kingdom. As the royal authority is recognised in the title, it became unserviceable upon the abolition of monarchy, and its speedy disappearance accounts for its extreme rarity. Among the names of members appended are those of Cromwell, Selden, Pym, the Vanes, and other distinguished men of the period. Several important purchases have been made of books enriched with MS. notes, especially La Fontaine's copy of his romance, "Les Amours de Psyché et de Cupidon," with numerous alterations in his own handwriting for an intended new edition, which were never made in print, and exist only in this copy; one of the only six copies printed of a memoir drawn up by Voltaire during his litigation with the Curé of Moens, dated Ferney, 25th May 1761, signed by him and with additions in his handwriting; Wilkes's copy of the Letters of Junius, copiously underlined by him; Allan Cunningham's edition of Burns's Poems, with copious MS. notes, mostly unpublished. With these may be mentioned an unique proof copy of a clandestine reprint by M. Poulet-Malassis of three juvenile poems by Victor Hugo, entitled by the editor "Satires Jacobites," which were stopped at press; also numerous proof sheets of the Edinburgh collected edition of De Quincey's works, with copious corrections by him; and several numbers of "The Westmoreland Gazette," the newspaper he conducted at Kendal between 1816 and 1820.

Among interesting collections which have been purchased may be mentioned chap-books in French, Italian, Portuguese, Catalan, Provençal, and Bohemian, an important series of tracts relating to the history of Geneva; and a large collection of editions of the works of Gay.

Donations.—

Donations.—The most remarkable donation of the year has been one for which the Museum is indebted to M. Léopold Delisle, Director of the Bibliothèque Nationale, who, having discovered the two leaves missing from the Gaignat copy of the block-book of the Apocalypse printed at Mentz about 1465, now in the British Museum, obtained the authority of the Minister of Public Instruction to present them to the Museum, in recognition of the services rendered by the Manuscript Department in assisting in the restoration to France of some leaves of a mutilated MS.

The following donations and bequests also are of especial interest.

An extensive set of colonial newspapers, chiefly for the year 1893. *Presented by the Royal Colonial Institute.*

A bequest of upwards of 250 books and pamphlets relating to the organ, being a collection formed by the late Colonel Lewis Conway-Gordon, of the Royal Engineers, and presented after his death to the Museum by his widow, Mrs. Conway-Gordon, in accordance with his wish. The portion of the collection already in the library has, with the assent of Mrs. Conway-Gordon, been presented by the Museum to the Royal College of Music.

Upwards of 250 pieces of music, being part of a collection, bequeathed by the late Sir George Scharf, K.C.B., to W. Barclay Squire, Esq., of the Department of Printed Books, and presented by Mr. Squire, in compliance with the testator's wish that such pieces as were not already in the Museum might be deposited in the Library.

The first poetical composition of Christina Rossetti, addressed to her mother, 27th April 1842; printed at the private press of her uncle Gaetano Polidori. *Presented by W. M. Rossetti, Esq.*

A pass granted by the Duke of Cumberland during the Jacobite Rebellion of 1745, Fort Augustus, 29th May 1745, accompanied by a MS. letter by Sir Walter Scott. *Presented by Robert Marshall, Esq.*

Maps.—The principal accessions to the collection of maps have been as follows: [Hemisphærium Australe.] A map of the Southern Celestial Hemisphere. With Monogram of Albert Dürer; *circa* 1527.

Britanniæ Insulæ quæ nunc Angliæ et Scotiæ Regna continet cum Hibernia adjacente nova descriptio. Venetiis apud Joannem Andream Valvassorem cognomine Guadagninum, A.D. 1556. An exceedingly rare map, engraved on soft metal, and having the appearance of a wood-cut.

Nova totius Galliæ descriptio. Hoc opus Joannes Andreas Vavassor [*sic*] dictus Vadagninus fecit, 1536, Venetiis. A rare map of France, engraved, from wood blocks, in four sheets.

La nobilissima et grande Citta di Pariggi. G. Bata Maza fec. Donato Rascicotti forma. [1570 ?] Not mentioned in Bonnardot's "Anciens Plans de Paris."

Two finely coloured engraved planispheres of the Northern and Southern Celestial Hemispheres, executed by Augustine Ryther, one of the first English engravers, to accompany Thomas Hood's work, entitled "The Use of the Celestial Globe in Plano." London. 1590. Unique, and containing the earliest known representations of three of the new Southern Constellations.

Music.—The accessions to the collection of Music, though not very numerous, have comprised some works of great rarity, among which may be mentioned copies of the "Nuove Musiche" of Caccini, published at Florence in 1614 (a different work from the "Nuove Musiche" of 1601); "Arie a una voce," by Stefano Landi, Rome, 1620, bound in vellum stamped with the arms of Pope Paul V.; "Varii Capricci e Canzonette," 1641, and "Canzoni Spirituali," 1640, by Pietro Paolo Sabbatini; "Intavolatura de li Madrigali di Verdelotto," an arrangement by Adrian Willaert for a single voice, with lute accompaniment, of a selection of Verdelot's Madrigals, published at Venice in 1540; the only complete copy known of the 2nd Book of Madrigals of Paolo Isnardi, Venice, 1577; the 4th Book of Madrigals of M. A. Ingegneri, Venice, 1580; the 4th Book of Madrigals of Tiburtio Massaino, Venice, 1594; Contratenor and Bass parts of the 8th, 9th, 11th, and 15th Books of Chansons, printed by Pierre Attaignant, at Paris, betwen 1540 and 1544, and a fine copy of the original folio edition of Heinrich Schütz's Psalms, Dresden, 1661.

R. Garnett.

Department of Manuscripts.

1. *Catalogue of Additions.*—The Additional MSS. 34,711–34,818, and Egerton MSS. 2795–2803, acquired in the year 1895, have been described and indexed. The index to the MSS. acquired in 1894 is in progress.

2. *Catalogue of the Stowe MSS.*—The first volume, containing descriptions of all the MSS. and Charters, has been published. The second volume, containing the Index, has been sent to press.

3. *Catalogue*

3. *Catalogue of the Royal MSS.*—The preparation of the new catalogue is in progress, and one hundred and four MSS. have been described.

4. *Catalogue of the Sloane MSS.*—The Index has been revised from Co—Gr.

5. *Catalogue of Papyri.*—The transcription of all the Papyri to be included in Volume II. of the Catalogue has been completed, and about one-third of the copy is ready for press.

Twenty-four Papyri acquired in 1894, and fifty-one acquired in 1895, have been described, and one hundred and nineteen, also acquired in 1895, have been arranged and numbered.

6. *Catalogue of Seals.*—The Fourth Volume, containing descriptions of the Seals of Scotland and Ireland, has been published.

Three hundred and forty-six detached seals and casts, and eleven hundred and eighty-one copper electrotypes of leaden bullæ, have been arranged and registered.

The descriptions of the Byzantine bullæ, forming part of the Fifth Volume of the Catalogue, have been sent to press.

7. *Catalogue of Romances.*—Descriptions of five MSS. for the Third Volume have been drawn up.

8. *Catalogue of Music.*—Articles contained in one hundred and ninety-three MSS. have been described.

9. *Catalogue of Charters and Rolls.*—The final revision for the press of the General Index of names and subjects in the several collections of Charters and Rolls, acquired before the year 1882, is in progress. Letters D.—J. of the topographical division, and Th.—To. of the general series have been revised.

1173 Additional Charters and Rolls (41,891–43,063), and Egerton Charter 620, acquired during the year 1895, have been docketed, numbered and arranged in boxes.

Additional Charters and Rolls 34,934–34,994, acquired in 1889, and 39,045–39,941, acquired in 1893, have been described.

10. *Classed Catalogue.*—The descriptions of the Stowe MSS. have been inserted.

11. *Arrangement of Papers.*—Additional MSS. 34,711–34,713, 34,715, 34,716, 34,718, 34,721–34,723, 34,790–34,797, and Egerton MS. 2795, acquired during the year 1895, have been arranged.

12. *Special Exhibitions.*—Exhibitions of Maps and Geographical MSS., and of MSS. and other memorials of Purcell the musician,

musician, have been arranged in the Saloon. A collection of MSS. relating to the voyages of Raleigh to Guiana has been exhibited in the King's Library.

13. *Binding.*—Two hundred and fifty-five Additional, and seven Egerton MSS., newly acquired, and one hundred and fifty-eight MSS. of the old collections, have been bound or repaired.

Fifty-four Charters and Seals have been repaired.

Fifteen Papyri have been bound and sixty-seven glazed.

Fifty-eight Printed Books have been bound.

Seventy-nine MSS. and autographs exhibited have been glazed.

14. *Autographs.*—The first series of "Facsimiles of Royal, Historical, Literary, and other Autographs" has been published.

15. *Verification.*—The several collections of Manuscripts have been verified by the shelf-lists.

16. *Stamping, folioing, and placing.*—One hundred and forty-one Additional and nine Egerton MSS. have been placed and entered in the hand-lists and shelf-lists.

Eleven hundred and eighty Charters and Rolls, fifteen Seals, and three hundred and ninety-six Casts of Seals, have been placed and entered. Twelve hundred and thirty-seven Charters have been listed.

Two hundred and twelve Additional and Egerton MSS., eight hundred and twenty-seven Charters and Rolls, and one hundred and sixty-one Books of Reference have been stamped with a total of 15,082 impressions

Two hundred and three MSS. have been folio'd with a total of 40,464 folios.

17. *Hand and Shelf-Lists.*—A new hand-list for Closets and Tables and a shelf list of three Presses in the Assistants' Room have been made.

18. *Consultation of MSS.*—The number of MSS. consulted in the Students' Room attached to the Department is 26,425, and of those delivered in the Reading Room 1,164.

The number of Charters and Rolls consulted by Students is 4,329.

The number of Students working in the Department during the year is 8,784.

19. *Books of Reference.*—One hundred and sixty-eight newly acquired volumes have been catalogued. The revision of the Catalogue is in progress.

20. *Acquisitions.*

20. *Acquisitions.*—The number of Manuscripts and Documents acquired during the year are:—

General Collections of MSS.	108
Rolls and Charters	2,393
Detached Seals and Casts	346
Papyri	170
Egerton MSS.	8
Egerton Charter	1

The acquisitions during the past year have been of unusual interest and importance.

The fine collection of Greek papyri already in the Department has been further enriched by the results of Prof. Flinders Petrie's discoveries in the Fayyûm, which include portions of Euripides' lost play of "Antiope" and of Plato's "Phædo," both written in the third century B.C., and consequently the earliest known manuscript remains of Greek classical literature. These, with one hundred and ten other Greek papyri of a valuable nature, and of the same date, were presented by Jesse Haworth, Esq., and E. Martyn Kennard, Esq.

The Centenary Exhibition in the King's Library in 1894 of works and relics of Edward Gibbon, the historian, led to the purchase, early in 1895, of his will, bills for books, and a catalogue of his library written on the backs of playing-cards, all of which are autograph. These were obtained from Mons. W. de Charrière de Sévery, of Lausanne, a descendant of W. de Sévery, Gibbon's friend and co-executor. Subsequently, the Trustees also acquired from the Earl of Sheffield the whole of the autograph MSS. of Gibbon which had belonged to his grandfather, the first Earl, the historian's most intimate friend. They include six autobiographical sketches with variations, five journals, ten miscellaneous works, and six volumes of correspondence, together with correspondence of the first Lord Sheffield and others.

By a special grant of Parliament, the Trustees purchased, in the course of the year, from Viscount Bridport, the greater portion of his large collection of the papers and correspondence of Admiral Viscount Nelson, in sixty volumes, comprising upwards of six thousand letters, together with eight autograph diaries and a quantity of miscellaneous matter.

Among other acquisitions of interest are:—

Fragment of an Alexandrian prose-poem, in Greek, on papyrus; 2nd century B.C.

Forty-five miscellaneous documents, in Greek, on papyrus; 2nd and 1st centuries B.C.

A land-register, in Greek, on papyrus, dated A.D. 48; on the back of which is an Egyptian romance in Demotic characters.

Miscellaneous fragments, in Greek, on papyrus; 1st–4th centuries. *Presented by Travers Smith, Esq., and Colonel T. L. Fraser.*

Lease, in Greek, on papyrus; A.D. 616.

Lives and passions of Saints, in Latin; 10th century. Vellum.

St. Matthew's Gospel, the Epistle to the Hebrews, and Ecclesiastes, in Latin, with glosses; 12th and 13th centuries. Vellum.

Beda "De natura rerum," Walter Map's Dissuasion against Marriage, Ovid's "Ars Amandi," &c.; 12th and 13th centuries. Vellum.

Chartulary of the Abbey of the Holy Cross at Quimperlé, in Brittany, in Latin, containing, in addition, the life of St. Gurthiern, lists of Archbishops of Tours, Bishops of Nantes, Vannes, and Quimper, and counts of Brittany, annals to A.D. 1128 continued to 1323, and the life of St. Ninnoca; 12th century, with later additions. Vellum.

Martyrology of the Church of St. Bavo at Ghent, in Latin; early 12th century. Vellum.

Hymnal, in Latin, with musical notes, written in North-east France or Germany; 13th century. Vellum.

The "Topographia Hibernica," "Expugnatio Hibernica," and "Itinerarium Cambriæ" of Giraldus Cambrensis; 13th century. Vellum.

Lives of Saints, with the Commentary of Dionysius the Areopagite on Mystical Theology, &c., in Latin; 14th–15th centuries. Vellum.

Bartholi de Saxoferrato lectûra super infortiato: a treatise on the Civil Law; written in 1378.

Theological Tracts, together with copies of documents relating to English Church History, in Latin; 15th and 16th centuries. Vellum. Included is an apparently unique copy of a letter from Henry II. to Christ Church, Canterbury, revoking all his encroachments on the liberties of the English Church, dat. 1164 [for 1172].

William Langland's Vision of Piers the Plowman; early 15th century. Vellum.

Treatise by Richard Rolle of Hampole on the Rule of Living,

Living, with other moral treatises, in Latin; 15th century. Vellum.

Portolano, containing thirteen charts, probably copied from one of the early Portolani of Visconti Maggiola of Genoa, and showing the earliest known delineation of the North Atlantic Coasts of America; *circ.* 1508.

Chart of the Mediterranean Sea and the borderlands, by Jacobus Russus, of Messina; 1570.

Year-books for 5, 12, and 19 Edward III., and pleas of an eyre in co. Nottingham in 1329; in French. Vellum.

Pleas, *temp.* Rich. II., with additions to *temp.* Edw. IV., in Latin.

Collection concerning the office of Earl Marshal and the Admiralty, in French, including a copy of the maritime laws of Oleron; early 15th century. In a fine English binding of about 1520.

Returns of the Ordnance Office for 1599.

Establishment list, late *temp.* Henry VIII.; copied *circ.* 1600. In the original vellum covers bearing the badge of Percy, Earl of Northumberland. *Presented by Miss Agnes S. Griffith.*

Return of debts due to the Court of Wards and Liveries, made *circ.* 1635, with the arrears from *temp.* Henry VIII.

Entry book of grants of Recusants' estates; 1606–1611.

Proceedings of the Irish Council in the matter of the Popish Plot; 1678–1679.

Original memoirs of Sir Philip Warwick, Clerk of the Signet; 1679. Partly autograph, with corrections. The actual MS. from which the original editions were printed.

Autograph memoirs by Sir William Trumbull of his embassy to Turkey; 1687–1691.

Answers of James Butler, 1st Duke of Ormonde, to the misrepresentations of Lord Anglesey; *circ.* 1681. Partly autograph. Two volumes.

Official correspondence and papers of Sir Robert Southwell, Edward Southwell his son, and Edward Southwell his grandson, successive Secretaries of State for Ireland; 1686–1741. Six volumes.

Household-book of George I.; 1722, 1723.

Letter referring to the feeling in America on the Stamp Act; York Town in Virginia, 25 August 1775. *Presented by Mrs. Bayle Bernard.*

Description of the battle of Trafalgar, in a letter from Lieutenant Benjamin Clement; 30 Nov. 1805.

Collections of Thomas Astle, Keeper of Records in the Tower of London, relating to the Public Records; 18th–19th centuries. Three volumes.

Unpublished historical works and essays by Sir Francis Palgrave, Deputy-Keeper of the Public Records; 19th century.

Four volumes. *Presented by his son, F. Turner Palgrave, Esq.*

History of the Patriarch Joseph, a poem by William Forest, Chaplain to Queen Mary, dedicated to William Parr, Earl of Essex; 1545. With a curious Preface, containing references to Chaucer, Gower, Lydgate, and, especially, John Heywood. Hitherto only known from a later version of 1569.

Love's Laurel garland, a romance by John Reynolds, merchant, of co. Devon; 1605.

Hadassah, or the history of Queen Hester, a sacred poem by Francis Lenton, the Queen's Poet; 1638.

Dramatic poems on Biblical subjects, said to have been composed about the time of the Reformation by one Boise, a Scotchman; 17th cent.

Alphabetical catalogue of English Plays extant in 1700, with names of the authors.

Autograph literary, philosophical, and other papers of Samuel Taylor Coleridge; 18th–19th centt. Two volumes.

Autograph verses by Christina Georgina Rossetti and Dante Gabriel Rossetti; 1842, 1894. *Presented by their brother, W. M. Rossetti.*

Alphabet of Knights created 1558–1649, drawn up by Anthony Dering, 17th cent., and transcribed by Sir William Betham, Ulster King of Arms.

Accompt of receipts and disbursements of Edward Stanhope, 2nd son of Sir Michael Stanhope, on behalf of his mother, Anne, Lady Stanhope; 1569–1570.

Recipes, medical and culinary, collected by Anne, wife of John, 2nd Baron Lovelace; 1659.

Accompts of the administrators of Sir Thomas Seyliard, 2nd Bart., of Pusey, co. Berks, and of his widow, Margaret, Lady Seyliard; 1687–1692.

Pedigree of the family of Roper, Barons Teynham; 1644.

Correspondence and papers of the families of Moseley of Carburton, and of Rolleston of Watnall-Chaworth, co. Nottingham; 1619–1740.

Correspondence and papers, including historical collections, of James West, M.P., P.R.S., Secretary to the Treasury; 17th–19th centt. Twenty-one volumes.

Correspondence of Thomas Percy, Bishop of Dromore, on diocesan and private matters; 1782–1811.

Four letters from Thomas Taylor, the Platonist, to Charles Taylor, Secretary of the Society of Arts; 1800–1804. *Presented by E. Peacock, Esq.*

Letter from Henry Kirke White, the Poet, to Robert White Almond; 1804.

Letter

Letter from Thomas Bewick, the Engraver, to his wife; 1813. *Presented by Joseph Crawhall, Esq., as Executor of Miss Isabel Bewick.*

Letter from John Stuart Mill to Thomas Carlyle, on the success of the latter's "French Revolution," and on his own forthcoming treatise on "Logic"; 1837.

Letters to Father Arnold Jerome Mathews from Cardinal Manning, Dean Stanley, and other distinguished Roman Catholic and Anglican divines; 1873–1889. *Presented by Miss Phillis Duncan.*

Autograph speech of Grover Cleveland, President of the United States, to the "Business Men's Democratic Association"; 1891. With a letter of the same. *Presented by Hon. G. F. Parker.*

Letters from James Russell Lowell and Oliver Wendell Holmes to Alexander Ireland; 1884, 1885.

Treatise on Geometry, in French; dedicated to Henry VIII. In the original binding of stamped white vellum.

Twelve hundred and nineteen deeds relating to Nantwich and other places in co. Chester; 12th-18th centt.

One thousand and ninety deeds and four volumes of papers relating to cos. Gloucester and Worcester, in connection with the family of Walthall; 13th–16th centt.

Papers relating to the landed estates of the family of Collins in co. Sussex; 1347–1755.

Rentals of Langley Manor and Rectory, co. Kent; 1378, 1497, etc.

Terrier of lands of John de Dynham in cos. Cornwall and Devon; 15th cent. Vellum. With other records and papers relating to Cornwall, 16th–19th centt. *Presented by G. C. Boase, Esq.*

Accompt of Helmingham Rectory, co. Suff.; 1509–1510.

Collections relating to Dunwich, co. Suffolk; *temp.* Jas. I.

Chartulary of the late dissolved Priory of St. Bartholomew-the-Great, in Smithfield; 1663–1673. Vellum.

Diary of Proceedings of the Court of Record of Poole, co. Dorset; 1660–1680.

Accompt books of the Dawes Almshouse in Putney, co. Surrey; 1663–1708. Three volumes. *Presented by T. F. E. Walters, Esq.*

Plan of Vauxhall Manor, in Lambeth, co. Surrey, by Thomas Hill; 1681. Vellum roll. *Presented by E. J. L. Scott, Esq.*

Two letters from Edward Drax, the Antiquary, to George, Baron Rivers, on his excavations at Silbury Mound, co. Wilts; 1776. *Presented by A. Sherwill, Esq.*

Exemplification of William Penn's charter of privileges to German-town, co. Philadelphia; 1718. With seal.

Ode addressed by the Icelanders to Alexander Jones, Captain of H.M.S. "Talbot," in gratitude for deliverance

from the rule of Jorgen-Jorgenson, in Icelandic and Latin; 1809. *Presented by Sir J. H. Hooker*, K.C.S.I.

A collection of casts of seals attached to deeds belonging to the Dean and Chapter of Westminster.

Drawings of seals, corbels, etc., made for Rev. Thomas Streatfeild's "History of Kent"; 19th cent. *Presented by Mrs. H. Streatfeild.*

A large collection of rubbings of sepulchral brasses in co. Norfolk. *Presented by Sir A. Wollaston Franks*, K.C.B.

Rubbings of Brasses found in England; 19th cent. Three volumes. *Presented by A. Hartshorne, Esq.*

A large collection of rubbings of sculptured stones in Scotland; 19th cent. *Presented by Miss Christian Maclagan.*

Three-part musical compositions, by Thomas Morley, Orlando Gibbons, and other composers; 17th cent. Three volumes.

Vocal compositions in the hand of John Travers; 18th cent. *Bequeathed by Vincent Novello.*

Autograph pencil sketches of Ludwig van Beethoven for his later musical works; 1825, 1826.

Autograph vocal compositions by John Lodge Ellerton; 19th cent. Two volumes, *Presented by R. A. Streatfeild, Esq.*

Autograph compositions, vocal and instrumental, mostly unpublished, by Sir Henry Rowley Bishop; 1805–1827.

Edward Scott.

Department of Oriental Printed Books and Manuscripts.

Cataloguing and Arrangement.

Printing.—The following Catalogue was published in the course of 1895: the Supplementary Catalogue of Persian MSS.

The following are the numbers of the sheets of the various Oriental Catalogues which were sent to press: Arabic, 13 sheets; Coptic MSS., 6½ sheets; Hebrew (Accessions) 7 sheets; Hindi (Accessions), 4 sheets; Japanese, 9 sheets; Persian MSS., 43 sheets; Sanskrit (Accessions), 2 sheets.

Cataloguing.—The following Titles were written for the several Catalogues: Amharic, 27; Arabic, 1,631; Armenian, 203; Bengali, 25; Canarese, 6; Chinese, 448; Ethiopic, 69; Georgian, 5; Gujarati, 103; Hebrew, 1,323; Hindi, 72; Hindustani, 154; Japanese, 78; Malay, 32; Malayalam, 5; Maltese, 46; Marathi, 66; Panjabi, 11; Persian, 66; Pushtu, 9; Samaritan, 1; Sanskrit, 383; Sindhi, 7; Sinhalese, 1,623; Syriac, 155; Tamil, 27; Telugu, 14; and Turkish, 84.

One Chinese MS., 145 Coptic MSS., 127 Hebrew and Samaritan MSS., 203 Persian MSS., 120 Sanskrit MSS., and 9 Sinhalese MSS. were fully catalogued.

Short descriptions of 157 newly-acquired MSS. were entered in the Descriptive List, and 156 in the Classed Inventory. Forty Hebrew MSS. were collated and examined. Twelve Printed Books (ff. 2,563) and 98 MSS. (ff. 14,737) were folioed.

Binding.—The following are the numbers of Printed Books and MSS. sent to the binders during the year: Arabic Books, 353; Chinese, 233; Hebrew, 161; Sanskrit, 135; MSS., 156.

Additions.—The number of works, both printed and in MS., added to the Department during the year was 1,699, of which 1,542 were Printed Books, and 157 were MSS.

Of the Printed Books, 317 were bought, 870 were received under the Indian Copyright Act, 62 under the Colonial Copyright Act, and 293 were presented.

Of the MSS., of which a classified list is appended, 153 were bought and 4 were presented.

Arabic	14
Armenian	1
Cambodian	1
Chinese	1
Coptic	39
Ethiopic	5
Hebrew	7
Hindi	1
Pali in Burmese character	6
„ Cambodian character	2
„ Roman character	1
„ Sinhalese character	7
Persian	23
Sanskrit	2
Shan	1
Sinhalese	42
Syriac	1
Tamil	3
	157

The most important acquisitions for the year are as follows :—

Arabic MSS.—1. A MS. on vellum, containing two treatises on Christian theology, the first being a systematic work in 25 chapters, without author's name; the second a special treatise on the cult of images of Christ and the Saints, by Theodoros Abu Kurrah, Bishop of Harran. Dated A.H. 264 (A.D. 877). 4°.

2. The Canon of Avicenna; written apparently in the 13th century. This copy was used by Kutb al-Dīn al-Shīrāzī, a well-known commentator on the Canon. Fol.

3. The 25th Section of the Koran, in fine large gold letters, with illuminated frontispiece; written for the Mongol Sultan Uljāitu, at Mosul, in A.H. 710 (A.D. 1310). Fol.

4. Nazm al-Sulūk, a dictionary of simple medicaments, by Hubaish ibn Ibrāhīm al-Tiflīsī. A.H. 1015 (A.D. 1606). Fol.

5. Kānūn al-Adab, an Arabic-Persian dictionary, by Hubaish al-Tiflīsī. A.H. 893 (A.D. 1487). Fol.

Arabic Books.—1. A collection of eleven works lithographed in Morocco. The most important amongst them are :—

(1.) The Koran. Fez, A.H. 1309 (A.D. 1892). 8°.

(2.) The Commentary of Saiyid Mahdī al-Wazzānī upon the Tuhfat of Ibn 'Āsim, the chief manual of law studied in Morocco. 3 vol. Fez, A.H. 1310 (A.D. 1893).

(3.) Jadwat

(3.) Jadwat al-Iktibās, a biographical dictionary of distinguished natives of Fez, who lived before A.H. 1000. By Ibn al-Kādi. Fez, 1309 (A.D. 1892). 8°.

(4.) Nashr al-Mathāni, a similar work to the preceding, for the 11th and 12th centuries of the Hegira. By Muhammad ibn al-Taiyib. 2 vol. Fez, 1310 (A.D. 1893). 8°.

2. The first two volumes of an extensive history of Syria, by the Maronite Archbishop of Beirut, Mgr. J. Debs. With numerous illustrations. Beirut, 1893–95. 8°.

Coptic MSS.—1. Twenty rolls, some of papyrus and some of leather, bearing legal texts in the Sa'idic dialect, and coming from the Monastery of St. Phœbammon at 'Abd al-Ḳūrnah (Thebes). The majority relate to property acquired by Aaron, son of Senuthius. 8th century.

2. The complete Psalter in the Sa'idic dialect. Written upon papyrus. About the 8th century.

3. A volume of Homilies attributed to Chrysostom, Athanasius, Theophilus, Proclus, Basil, and Eusebius. Written upon papyrus. About the 8th century.

4. Fragments of about 20 MSS., biblical and secular, in the Sa'idic and Middle-Egyptian dialects, written upon papyrus and parchment. Various dates, 7th to 11th centuries.

Ethiopic MSS.—1. Discourses for the festival of the Archangel Michael, with an account of his miracles. The text is preceded by 38 coloured illustrations. 8°. 17th century.

2. An amulet containing the legend of Socinius and Ursula, etc. Vellum scroll. 18th–19th century.

3. A vellum scroll containing legends relating to the wisdom of Solomon in his treatment of demons. 16th century.

Hebrew MSS.—1. A large collection of liturgical poems, of which many were previously unknown. 4°. 17th century.

2. Pĕnē Dammések, a commentary on the Psalms, by Moses ben Abraham Carilijo. 4°. Written at Smyrna, A.D. 1725.

Hebrew Books.—1. Mĕgillath Antiochus. [An alleged account of the wars of the Maccabeans.] On vellum. Mantua, 1557. 8°.

2. An edition of the Proverbs and Job, printed by Joh. and Friedr. Hartmann. Frankfort o/Oder, 1595. 16°.

The same firm printed in the same year an entire edition of the Old Testament, identical with this volume in matters of type, size, and title ornaments. It seems, however, that a few months or weeks before the appearance of that entire

edition, or it may be a few weeks afterwards, they must have intended to publish separate portions, of which this forms one.

Pali MSS.—1. Vinaya-sāra, a rare work giving a compendium of the rules of Buddhist ecclesiastical discipline. In Burmese character, with explanations in Burmese (A.D. 1834).

2. A rare MS. in the Sinhalese character, containing a commentary on a work, Pālimuttaka-vinaya-vinicchaya-saṅgaha, previously acquired. This commentary was composed at the request of Parākrama Bāhu I., King of Ceylon, about 1190.

3. Abhisambodhi-alaṅkāra, a short Pali poem on the life of Buddha, with a Sinhalese commentary. Rare in the East and unique in Europe.

Pali Books.—The magnificent edition of the Pali Tipiṭaka, or Canonical books of the Buddhists, in 39 volumes, printed at Bangkok, 1894, by orders of H.M. the King of Siam, and presented by him. The Siamese character, which has never been previously employed for Pali texts, even in Siam itself, is used in this case. Each volume contains a clear and detailed scheme of transliteration for the use of European readers.

Persian MSS.—1. Ta'rīkh ul-Khairāt, a work on general history, compiled in A.H. 831. 15th century. 4°.

2. The second volume of the Ta'rīkh i Alfī, an extensive Muslim chronicle compiled for the Emperor Akbar, comprising the years A.H. 511–801. 18th century. Fol.

3. Sharaf-Nāmaḥ, a history of the Kurds, by Sharaf Khān Bitlīsi. A.H. 1251 (A.D. 1835). Fol.

4. Haft Iklīm, a collection of biographical notices geographically arranged, by Amīn Aḥmad Rāzi. 17th century. Fol.

5. The Shāhnāmah of Firdausi, with miniatures. 16th century. Fol.

6. The Dīvān of Salmān. A.H. 795 (A.D. 1393).

7. The Dīvān of Mīrak Naḳḳāsh. A.H. 1095 (A.D. 1644). Fol.

8. A collection of contemporary native portraits of illustrious personages in Persia, amongst them several of the late Shah. 19th century. Fol.

Persian Book.—Gulshan i Bekhār, a Tazkirah, or biography of Persian and Hindustani poets, by Sheftah. Lithographed at Delhi in 1843 (an extremely rare edition).

Sanskrit Books.—1. Catalogue of the Sanskrit MSS. in the Raghunatha Temple Library [at Jammu] of H.H. the Mahārāja of Jammu and Kashmir, prepared for the Kashmir State

State Council by M. A. Stein, PH.D. A catalogue of one of the most important libraries in India. Printed at Bombay in the best style of Indian typography.

2. Prakrit and Sanskrit inscriptions of Kattywar. Presented by H.H. the Maharāja of Bhavnagar. Printed, with admirable photo-lithographic facsimiles and with English translations, at Bhavnagar. Probably the first work of scientific archæology ever printed in a native state.

Sindhi Book.—Hikāyāt al-Sālihīn, a collection of moral tales and anecdotes, by Walī Muhammad. Lithographed at Karachi in 1851. (Extremely rare.)

Sinhalese MSS.—1. A unique collection of about 19 MSS. of works connected with the devil worship still existing in Ceylon. Chiefly small MSS. written on palm leaves. 18th–19th centuries.

2. A transcript of a rare and authentic work on the history of Ceylon (*c.* 1300–1600 A.D.). From an original discovered in Kuruṇēgala District, Ceylon.

3. Transcript of a rare work on the native treatment of hydrophobia, snake bites, &c.

Syriac MS.—Services to be used at the laying of the foundation stone of a church, and at the ordination of readers, sub-deacons, &c. The rubrical directions are in Karshuni, and some of the prayers are in Greek written in the Syriac character. Small 4°. Probably 12th century.

Turkish Books.—A collection of 112 volumes published in Constantinople during the present reign, consisting of works of wide and general interest; together with four albums of photographs of objects of interest in and about Constantinople. *Presented by H.I.M. Sultan Abdul Hamid II.*

The number of Oriental Printed Books consulted by readers during 1895 was 5,484, and the number of Oriental MSS. consulted during the same period was 3,202.

Robert K. Douglas.

Department of Prints and Drawings.

I.—Arrangement and Cataloguing.

A second edition of the guide to the exhibition in the public gallery, with the engravings shown on the swing frames included, has been prepared and issued.

The collection of niello plates and sulphurs has been carefully cleaned and returned to the exhibition case.

The metal engravings by Augustin Hirschvogel, Jost Amman, Hans Lautensack, Franz Brunn, Hans Ladenspelder, and other German artists of the 16th century, have been mounted and arranged in ten solander cases.

The entire collection of prints illustrating the history of costume has been sorted and combined in one classified series, and arranged in twelve solander cases. An index to the contents of the books of costume has been prepared.

The various drawing-books published by English artists during the first half of the present century have been brought together and formed into a distinct group.

The various collections of proof woodcuts by Thomas Bewick, from the Birds, Quadrupeds, and Fables of Æsop, have been examined and incorporated in one series, and impressed with a special stamp, and the work of mounting them has been taken in hand. The preparation of an index to the series has also been commenced.

The miscellaneous collection of London topography has been sorted and arranged as a supplement to the Crace collection.

The revision and re-arrangement of the general collection of prints after Italian masters, which included the removal of the reproductions of drawings and their formation into a distinct class, has been completed.

The collection of prints after Raphael has been re-classified and arranged in five portfolios.

Three hundred and fourteen duplicate prints have been set aside and incorporated with the collection of duplicates.

The preparation and transcription for press of a general catalogue of the collection of English portraits has been continued.

The final revision of the expanded index of artists of the French School has been completed, and the manuscript handed to the printer.

The task of accurately comparing the woodcuts by Dürer and other early German masters, presented by Mr. Mitchell, with those previously in the Museum collection, with a view to the formation of a single complete series from the two sources, has been commenced; notes to serve in the preparation of a future catalogue being taken.

The etchings by Rembrandt, and artists of his school, have been marked off in copies of the catalogues by Bartsch and Rovinski.

The work of marking-off in an interleaved copy of Bartsch's "Peintre-Graveur" all items described therein which are in the possession of the Department has been commenced.

A list has been drawn up of all the prints possessed by the Department of which there are duplicates in the Malcolm collection

The preparation of a catalogue of all the English mezzotints contained in the Department has been continued.

The

The catalogue of all the modern engravings printed in colours contained in the Department has been transcribed.

All books of prints and books of reference recently acquired have been indexed and placed on the shelves.

The second copy of the index of books of prints has been corrected and completed.

One thousand two hundred and one prints and drawings, recently acquired, have been incorporated with the collections to which they severally belong.

Seven thousand five hundred and fifty prints, drawings, &c., recently acquired, have been impressed with the departmental stamp and references to the Register.

The Mitchell collection of woodcuts, numbering one thousand two hundred and ninety items, has been impressed throughout with a special stamp.

Four thousand three hundred and sixty-six items have been entered in the Register of Acquisitions.

Fifty-one drawings and nine hundred and five prints have been placed on sunk mounts, and eight hundred and sixty-eight prints have been mounted in the ordinary manner.

The number of students admitted to the Print Room during the year ending 31st December 1895, was 5,966.

Two hundred and thirty-three applications were made for leave to photograph objects in the collection, and 2,356 photographs were taken.

II.—Additions.

In the chapter of acquisitions the year 1895 has been probably, taking quality and quantity together, the richest in the annals of the Department, at any rate during the present century. The total number of prints and drawings acquired was 7,721. First came the munificent gift by Mr. William Mitchell of his collection of German and other woodcuts, including a series of those by Albert Dürer, which is almost complete and quite unrivalled in quality and condition. Next followed the purchase from Colonel J. W. Malcolm, of Poltalloch, of the entire cabinet formed by his father, the late Mr. John Malcolm, consisting of probably the richest collection of drawings by old masters brought together by any private amateur since Sir Thomas Lawrence; together with a collection of early Italian and German engravings which, though smaller in number, is of the highest quality. Thirdly, Sir Wollaston Franks has added to his many benefactions by presenting to the Department of Prints and Drawings, in two successive gifts, an extensive and interesting collection of rare title-pages, book illustrations, woodcut portraits, &c. Fourthly, by the bequest of the late Lady Charlotte Schreiber, the Department has become possessed of her very comprehensive and valuable

collection of playing-cards, with the exception of those items of which duplicates were already in the Museum collection.

The contents of the first three of these acquisitions are summarized below. The work of sorting and classifying the fourth had not been completed at the close of the year 1895; a summary of its contents is in consequence deferred until the annual return for 1896.

Sets and Collections.

The Mitchell Collection.

A collection of 1,290 early woodcuts, chiefly German, constituted as follows:—104 by anonymous German artists of the fifteenth and sixteenth centuries; 151 single cuts by Albert Dürer, together with the Little Passion (set of proofs), the Life of the Virgin (first state, without text), and the Great Passion, the Life of the Virgin, and the Apocalypse (all with Latin text, edition of 1511); 63 by Hans Schaufelein, including two sets of proofs of two series of the Passion; 18 by Hans Springinklee, including 14 proofs of illustrations to "Hortulus Animæ"; seven by Wolfgang Huber; 36 by Hans Baldung; seven by Johann Wechtlin; 19 by Hans Sebald Beham; 43 by Lucas Cranach, including an unique impression of the St. George, printed in gold on a blue ground; 60 by Albert Altdorfer; 40 by Hans Burgkmair; 317 by or attributed to Hans Holbein; nine by Urs Graf; 12 by Heinrich Holzmüller; 14 by J. von Calcar; five by Jost Amman; 11 by Anton von Worms; 16 by Lucas van Leyden; six attributed to Geoffroy Tory; one attributed to Marie de Medicis; the large view of Venice by Jacopo de Barbarj, first state; nine by Niccolò Boldrini; five by "I. B. with the bird;" three by Francesco de Nanto; 43 in chiaroscuro by Ugo da Carpi, A. Andreani, A. da Trento, G. B. Coriolano, A. Campi, A. Ghandini, and G. Bianchini; and 78 by other minor and anonymous artists. *Presented by William Mitchell, Esq.*

The Malcolm Collection.

This collection consists of 940 drawings, 24 pages cut from illuminated MSS., and 312 engravings. The drawings are subdivided into schools, numbering approximately 460 of the Italian, 355 of the Flemish and Dutch, 36 of the German, 65 of the French, and 24 of the Spanish. Like all collections, it contains a certain proportion of second rate pieces and copies; but the general average is extremely high, and among the authentic and standard examples by great masters are included the following:—In the Italian schools, at

at least one or more each by Fra Angelico, Filippo and Filippino Lippi, Verrocchio, Botticelli (whose "Abundance" is perhaps the most beautiful Italian drawing of the fifteenth century extant), Ghirlandaio, Perugino, Pinturicchio, Luca Signorelli, Timoteo Viti, Antonello da Messina, Carpaccio, J. de Barbarj, etc.; with five or six by Leonardo da Vinci and his immediate scholars (including the master's celebrated early "Head of a Warrior in fantastic armour"), 20 by Michelangelo, 15 by Fra Bartolommeo, 10 or 12 by Raphael, four or five by Correggio, as many by Titian; with others too numerous to mention by anonymous, subordinate, and later masters. In the Flemish and Dutch schools, 10 or 12 unusually fine examples of fifteenth century work, including the famous portrait formerly in the Mitchell collection, and attributed to Van Eyck; two first-rate examples of the elder Brueghel, five or six by H. Goltzius, six or eight studies by Rubens, 10 or 12 by Van Dyck, two by Snyders, four or five by Teniers, eight by Bakhuisen, including some of his finest work; 12 by Berchem, two by Both, one of which, from the Nieuwenhuys collection, is probably his finest extant drawing; five by Cuyp, seven by Everdingen, four by Van Goyen, two of particular interest by Van der Heyden, six or seven by Karel du Jardin; five by F. and W. Mieris, 10 or 12 by the Ostades, about 20 by Rembrandt, four by Ruysdael, three fine architectural drawings by Saenredam, two by Esaias and eight by Adrian van de Velde, etc. Among the works of the German school are several anonymous of the fifteenth century; two by Martin Schongauer, and 12 by Albert Dürer, two by the elder and two or three by the younger Holbein; among the French, 25 of fine quality by Claude Lorrain; four or five by Nicolas Poussin, and 14 by Watteau.

The engravings are, almost without exception, rare examples of the finest quality and in perfect preservation. They include 10 prints in the primitive manner known as the *manière criblée*, 25 fine Italian nielli (or more properly prints in the niello manner) by the master known as Peregrino da Cesena; the celebrated set of the 50 so-called "Tarocchi di Mantegna," by a master of the Ferrarese school working about 1470, formerly belonging to M. Galichon; the equally famous and almost unique Florentine set of 12 Sibyls in the "fine manner," attributed to Baccio Baldini; the large Assumption of the Virgin engraved in the "broad manner," on two plates, from the design of Botticelli; with picked examples by other primitive Italian engravers as Mantegna, Mocetto, Robetta, Barbarj, and Campagnola; and 40 of the finest works of Marcantonio in perfect condition. The primitive German engravings include rarities like the "Three living and the three dead Kings," by the master of the Amsterdam Cabinet; a contemporary copy of the unique "Arms of Charles the Bold," by the master of the Banderoles; 17 small

prints from a set of the Passion by the master of the St Erasmus; five pieces by the master E. S. of 1466; 12 by Israel van Meckenem, 64 by Martin Schongauer, all in the most brilliant state; nine by Lucas van Leyden, 65 by Albert Dürer, and 14 by the Behams and the other little masters. Finally, of seventeenth century work, the collection contains 18 picked early states of etchings by Van Dyck, and 28 by Rembrandt.

Presented by Sir A. Wollaston Franks, K.C.B., P.S.A., etc.

(1.) A collection of 345 woodcuts taken from books, comprising 99 portraits and other subjects from S. Münster's "Cosmographie"; 18 portraits by Tobias Stimmer from Reusner's "Icones Virorum Illustrium," 1587; 10 small biblical subjects by Urs Graf; 14 cuts by H. Schaeufelein and others from "Der Teutsch Cicero"; two initial letters by H. Holbein, and four by J. Amman; 116 by C. van Sichem from a bible of 1657; 52 anonymous cuts from books printed in Saxony; and 13 early French metal cuts.

(2.) A collection of 1,152 prints, principally title-pages of books; of which 565 have been placed with the general collection of title-pages, 21 with portraits, 61 with etchings by Italian, German, Dutch and Flemish, French and English masters; 221 with prints by Italian, German, Dutch and Flemish, French and English engravers; 157 with prints after Italian, German, Dutch and Flemish, French and English masters; 45 with foreign woodcuts, 65 with the collection of printer's marks, and 22 with costumes, ornaments, etc.

The following are the most important among the other acquisitions of the year:—

Italian School.

Drawings.

Beccafumi, Domenico. Three pen and ink sketches. Formerly in the Mead and Richardson collections.

Borsato, Giuseppe. Four designs for the decoration of ceilings; water-colours, heightened with gold.

Buonarroti, Michelangelo (attributed to). Study of two nude male figures; black chalk.

Della Bella, Stefano. A series of 14 pencil sketches worked up with the pen, and in part tinted with water-colour, representing the entry of the Ambassadors of King Ladislas of Poland into Paris, 25 Sept. 1645.

Pisano, Vittore. Two leaves from a vellum sketch-book, with drawings of animals.

Prints in Chiaroscuro.

Anonymous. Christ bearing His cross; after G. B. Maganza (P. vi. 229. 34). The Assumption; after C. Vecelli (P. vi. 233. 51). The Adoration of the Magi; undescribed. Diana and two Nymphs; after Parmegiano (B. xii. vii. 9). Truth; after Parmegiano (B. xii. viii. 8). Study (B. xii. x. 30).

Andreani, Andrea. Rape of the Sabines; after Giovanni da Bologna; three sheets; first state (B. xii. vi. 4).

Carpi, Ugo da. Raphael and his Mistress (B. xii. ix. 2).

Coriolano, Giovanni Battista. Herodias with the Head of John the Baptist; after G. Reni (B. xii. II. 29).

Engravings.

Anonymous. Florentine School. The Resurrection and the four Evangelists, with a paschal table dated 1461, executed in the style associated with the name of Baldini; the only impression known. From the Angiolini collection.

Casa, Niccolò della. Portrait of Cosmo de' Medici, Grand Duke of Tuscany; after Bandinelli.

Porporati, Carlo Antonio. Girl and dog; after J. B. Greuze; first state, before all letters and the arms.

Raimondi, Marcantonio (School of). Bust of Ariosto (P. vi. 94. 162); first state, before the name of Ariosto.

Vinci, Leonardo da (attributed to). Sheet of studies from models for the equestrian monument of Francesco Sforza, or that of Giovanni Trivulzio; the only impression known. From the Angiolini collection.

Prints arranged to Illustrate the Works of Masters.

Botticelli, Sandro. "Spring" and "Birth of Venus"; by F. Jasinski; *remarque* proofs. *Presented by M. Jules Hautecœur.*

Pippi, Giulio. St. Mary Magdalene borne to Heaven by angels; by A. Ricciani.

Sanzio, Raffaello. Dispute of the Sacrament; by G. von Keller. Galatea; by A. Ricciani. Madonna della Tenda; by H. Ritter. Portrait of himself; by J. E. Pannier.

Sarto, Andrea del. The Holy Family; by L. Von Montmorillon.

Vecellio, Tiziano (Titian). Recumbent Venus; by A. Narjeot.

Vinci, Leonardo da. The Last Supper; by S. W. Reynolds mezzotint. The same; by F. Rainaldi La Gioconda; by L. Boisson. *Presented by M. Jules Hautecœur.*

0.97.

German School.

Drawings.

Beham, Barthel. The original design for his engraving of the four skulls and dead child (B. 28); black and red chalk.

Dürer, Hans. Christ on the Cross, with separate studies for the hands; black chalk; signed.

Elsheimer, Adam. A man and woman walking together with two children; bistre.

Stimmer, Tobias. Christ on the Cross; Indian ink heightened with white, on prepared ground; signed and dated.

Zander, Christoph Eduard. A sketch-book containing forty-four pen and ink sketches of the scenery and natives of Abyssinia, 1852–4.

Etching.

Kellerhoven, Moritz. Old woman with a rosary.

Woodcuts.

Anonymous, School of Nuremberg. The patron saints of the Confraternity of St. Ursula in a boat, the mast of which is the Cross; at the prow and stern of the boat are portraits of Frederick III., Elector of Saxony, and Georg Ransshover, founder of the Braunau branch of the Confraternity. Rare and undescribed.

Baldung, Hans (Grün). The owl seated on a skull (P. 77).

Flötner, Peter. Triumph of Bacchus (P. 6).

Engravings.

Beham, Barthel. The Rape of Helen (Aumüller, 17). The Arms of Melchior Pfinzing (Aumüller 99).

Beham, Hans Sebald. Ornament with a child pecked by storks (267).

Binck, Jakob. Silenus (P. 118). Peasant woman going to market: undescribed copy from H. S. Beham (B. 192); proof before the background.

Kellerthaler, Daniel. Diana and Actaeon (Andresen, 1). Bacchus and Ceres (Andresen, 2). Adam and Eve forbidden to eat the fruit; undescribed.

Ladenspelder von Essen, Hans. Faith, Hope, and Charity (B. 10.). A set of forty-eight copies of the series of Italian fifteenth-century engravings known as "Tarocchi di Mantegna." From the Angiolini collection.

Master E. S. (of 1466) The Visitation (P. 119.) Saint Veronica (P. 178).

Meckenem,

Meckenem, Israhel van. Eleven of the set of fifteen plates of Christ, the Virgin and the Apostles (B. 64–78). From the Angiolini collection. Pietà with Saint John and Mary Magdalene ; undescribed.

Etchings.

Jenichen, Balthasar. The Arms of Christ ; emblems of the Passion (Andresen, 113). Counts Egmont and Horn (B. 52).

Prints arranged to Illustrate the Works of Masters.

Dürer, Albrecht. Head of an old man, from a drawing in the Albertina ; by F. Jasinski. *Presented by M. Jules Hautecœur.*

Holbein, Hans. The Meyer Madonna at Darmstadt ; photogravure.

Dutch and Flemish Schools.

Drawings.

Blyhooft, Zacharias. Coast scene with fishing boats unlading ; pen and Indian ink ; on the reverse is a sketch of a fiddler, with peasants dancing, in red chalk. Formerly in the Esdaile collection.

Flinck, Govert. Study of a youthful standing figure, perhaps Saint John the Evangelist ; black chalk heightened with white.

Gole, Jacob. Portrait of Adrian van Ostade ; drawing for the mezzotint plate ; water-colours.

Hals, Frans (attributed to). Portrait of a man ; red and black chalk.

Mieris, Willem van. A nymph pursued by Apollo ; black chalk heightened with white.

Rembrandt van Ryn. The miraculous draught of fishes ; sketch in pen and bistre. Standing figure of an Oriental ; pen and bistre heightened with white. Academical study of a standing female figure ; pen and bistre heightened with white. Academical study of a seated female figure ; black chalk and sepia heightened with white.

Schouman, Aart. Group of birds in a garden, with sculpture and flowers ; highly finished in water-colours ; signed and dated.

Ter Borch, Moses. A cannon ; black chalk and Indian ink.

Vinkeles, Reinier. View of the Quai de Tournelle, Paris ; water-colours.

Wit, Jacob de. A group of five children with flowers and fruit ; red chalk and water-colours.

Etching.

Rembrandt van Ryn. An artist drawing from a model (Middleton, 284) ; first state ; only impression known. From the Holford collection.

0.97.

Engravings.

Bry, Theodor de. The Triumph of Maximilian; after A. Dürer; three plates.

Claessen, Alart. The Virgin and dead Christ (Aumüller, 35). God the Father, with papal tiara (A. 17). Triumph of Bacchus (A. 111); first state, before the monogram. Triton and two naked women (A. 153).

Prints arranged to Illustrate the Works of Masters.

Hals, Frans. A gipsy; etching by Decisy; *remarque* proof. *Presented by M. Jules Hautecœur.*

Michau, Théobald. "Les Moissonneurs" and "Récréation des Moissonneurs;" by J. P. Le Bas.

Netscher, Caspar. Offering to Venus; by J. D. Dugoure.

Rembrandt van Ryn. The Night Watch; etching by C. Coppier; *remarque* proof. *Presented by M. Jules Hautecœur.*

Seventeen reproductions in photogravure of pictures in the gallery at Cassel.

Rubens, Peter Paul. Rape of the Sabines; by P. Martenasie. Portrait of Hugo Grotius; by A. Fogg. Portrait of Elizabeth de Bourbon; by A. Blanchard.

FRENCH SCHOOL.

Drawings.

Boucher, François. Portrait of a lady, whole length, seated; crayons.

Callot, Jacques. A saint with a dragon at his feet; red chalk. Saint Julian and Saint Basilissa—Saint Joseph of Arimathea; two chalk studies for etchings. Cripples seeking relief; pen and ink. Sketch for the group of figures in foreground of the etching of Christ being nailed to the Cross; pencil and sepia. Temptation of Saint Anthony; black chalk, pen and bistre. Group of ladies and gentlemen seated at a table; red chalk and bistre. Group of three allegorical female figures; black chalk and bistre. Sixteen studies for the series of etchings known as "I Balli."

Greuze, Jean Baptiste. Head of a girl; red and black chalk.

Méryon, Charles. Three sheets of architectural details of old houses at Bourges; pencil.

Etchings.

Flameng, Léopold. The Blue Boy, after Gainsborough; proof. Portrait of Hon. Mrs. Graham, after Gainsborough; proof.

Houel, Jean Pierre. "Profil de Jeune Femme."

Morin, Jean. Portrait of Nicolas de Neufville, Marquis de Villeroy; after P. de Champaigne.

Waltner, Charles. Portrait of Hon. Mrs. Graham, after Gainsborough; *remarque* proof on vellum.

Engravings.

Baléchou, Jean Joseph. Portrait of Henri Comte de Brühl; after L. de Sylvestre; second state.

Debucourt, Louis Philibert. Three plates of Russian vehicles; after M. F. Damame-Démartais; coloured aquatints.

Descourtis, Charles Melchior. Paul and Virginia; set of six plates, after Schall; coloured aquatints.

Duvet, Jean. Christ driving the Moneychangers out of the Temple (R.-D., App. 4).

Edelinck, Gérard. Portrait of James Francis Edward, the "Old Pretender"; after J. de Troy; second state.

Gaillard, Claude Ferdinand. Four original plates of academical studies executed in 1852 and 1856. Portrait of Mgr. Bouvier, Bishop of Le Mans; artist's proof. Madonna and saints; after Bellini; artist's proof.

Gaujean, Eugène. Madonna and virgin saints; after G. David; artist's proof on vellum.

Leu, Thomas de. Portrait of Louis Servin; early state, before the inscription at top.

Massard, Jean. "La Cruche Cassée"; after J. B. Greuze.

Prints arranged to Illustrate the Works of Masters.

Baudouin, Pierre Antoine. "Le Modèle honnête," by J. B. Simonet.

Bonheur, Rosa. "On Guard"; by J. B. Pratt; artist's proof. *Presented Mr. L. H. Lefèvre.*

Bosio, Jean François. "Bal de Societé"; anonymous; coloured.

Boucher, François. A pastoral; etching by E. Champollion; *remarque* proof. *Presented by M. Jules Hautecœur.*

Breton, Jules. "The Gleaners"; etching by C. Coppier; *remarque* proof. *Presented by M. Jules Hautecœur.*

Chaplin, Charles. "Jeune fille au chat"; etching by E. Abot; *remarque* proof. *Presented by M. Jules Hautecœur.*

David, Jean Louis. Coronation of Napoleon I.; etching by A. Morse; *remarque* proof. *Presented by M. Jules Hautecœur.*

Delaroche, Paul. "Les Joies d'une Mère"; by J. François. 'Saint Cécile"; by F. Forster.

Dubufe, Guillaume. "Sacred Music" and "Profane Music"; two etchings by A. Morse; *remarque* proofs. *Presented by M. Jules Hautecœur.*

Greuze, Jean Baptiste. "La Cruche Cassée"; etching by H. Lefort; *remarque* proof. *Presented by M. Jules Hautecœur.*

Jouvenet, Jules. "La Descente de Croix"; by A. Masson; proof with open letters.

Lepicié, Nicolas Bernard. "Le Repos"; by C. Bervic; proof before letters.

Meissonier, Jean Louis. "The Man at the Window"; etching by C. Coppier; *remarque* proof. *Presented by M. Jules Hautecœur.*

Monnet, Charles. "L'Imperatrice Catherine"; by P. P. Choffard.

Natoire, Charles Joseph. "Venus et Enée"; by J. J. Flipart.

Nattier, Jean Marc. Portrait of the Duchess of Orleans, as Hebe; by F. Hubert.

Pater, Jean Baptiste. "La Matrone d'Ephèse"; by Filleul. "La Peintresse"; by Galimart.

Raoux, Jean. "La Lecture"; by J. F. Beauvarlet.

Robert, Hubert. "Villa Sachetti" and "Villa Madama"; two aquatints by Janinet; printed in colours.

Robert, Léopold. "Fishermen of Procida"; by A. Lamotte.

Scheffer, Ary. "Saint Augustine and Saint Monica"; etching by A. Didier; *remarque* proof. *Presented by M. Jules Hautecœur.*

Subleyras, Pierre. "Martire de St. Pierre"; by Barbault. "Bacchus and Ariadne"; by P. Parrocel.

Tanché, Nicolas. "Le danger des bosquets"; by P. A. Le Beau.

Troyon, Constant. "Le Berger; le soir"; etching by G. Rodriguez; *remarque* proof. *Presented by M. Jules Hautecœur.*

Vernet, Antoine Charles (Carle). "Mameluck au Combat" and "Mameluck au grand Galop"; two aquatints by Jazet.

Spanish School.

Prints arranged to Illustrate the Works of Masters.

Murillo, Bartolomeo Esteban. Virgin and Child; by E. Flamet; proof. The Immaculate Conception; etching by C. Coppier; *remarque* proof. *Presented by M. Jules Hautecœur.*

Artists of Foreign Schools Working in England.

Drawings.

Cipriani, Giovanni Battista, R.A. An emblematical composition; red chalk.

Etching.

Legros, Alphonse. Portrait of himself; after G. F. Watts. *Presented by the Artist.*

Engravings.

Cardon, Anthony. "The Last Request"; after R. Westall; printed in colours.

Rupert, Prince. Portrait of Titian; mezzotint; with the Prince's monogram and date "Anno 1657, Wien"; undescribed. From the Angiolini collection.

ENGLISH SCHOOL.

Drawings.

Etty, William, R.A. Study of a nude female figure, reclining; crayons.

Gainsborough, Thomas, R.A. A lady, seated at a table; charcoal. A lady, full length, seated; sketch in black chalk. A lady, full length, standing; sketch in black chalk. Study for the portrait of Lady Clarges playing the harp; charcoal heightened with white.

Hayter, Sir George. A collection of fifty-nine original sketches for portraits of Princess Charlotte and other persons, chiefly ladies of the aristocracy.

Hogarth, William. Study of the head of a dead child; red and black chalk, heightened with white.

Etchings.

Gascoyne, George. Twelve plates of rustic subjects. *Presented by the Artist.*

Sherborn, Charles William. Portrait of John Milton; proof on vellum

Engravings.

Cousins, Samuel, R.A. Playmates; after H. Merle.

Earlom, Richard. The Holy Family; after Rubens.

Jones, John. Serena; after G. Romney; printed in colours.

Knight, Charles. Portrait of the Duchess of York; after W. Beechey; proof before the dedication; printed in colours and further coloured by hand.

Leney, William. Othello and Desdemona; after J. Graham.

Smith, John. Portrait of Frederick, Prince of Wales; after Fountain; unfinished proof.

Turner, Charles. Portrait of Miss Cholmondeley; after J. Hoppner; proof before the title.

Ward, George Raphael. Portrait of Sir William Follett; after F. R. Say.

Ward, William. Hoppner's children bathing; after J. Hoppner; printed in colours.

Prints arranged to Illustrate the Works of Masters.

Brown, Mather. "The Departure of the Sons of Tippoo from the Zenana"; by F. Bartolozzi. "The Delivery of the Definitive Treaty into the Hands of Lord Cornwallis"; by D. Orme.

Gainsborough, Thomas, R.A. A shepherd; by R. Earlom.

Maurer, James. View of Blenheim House; by Fourdrinier.

Nattes, John Claude. Interior of Bath Abbey; by J. Hill; coloured aquatint.

Peters, Rev. William, R.A. St. John the Baptist; by R. Read.

Romney, George. Lady Hamilton at the spinning-wheel; by C. H. Jeens; India proof. Portrait of Miss Clive; by D. Wehrschmidt; India proof.

Serres, Dominic, R.A. Two views of Belleisle; by Benoist and Canot.

Turner, Joseph Mallord William, R.A. The Vale of Ashburnham; by W. B. Cooke. The Vale of Heathfield; by W. B. Cooke.

PORTRAITS.

Foreign.

Alembert, Jean d'; after Houdon, by P. Malœuvre.

Bachaumont, Louis Petit de; after L. C. de Carmontelle, by J. Houel.

Beauvau, René François de, Archbishop of Narbonne; after H. Rigaud.

Berry, Marie Caroline, Duchess de; after H. Hesse, by P. Audouin.

Bignon, Jérome; after P. de Champaigne, by F. Poilly.

Blücher, Gebhard Lebrecht von, marshal; after H. Alken, by R. Cooper and T. Sutherland, aquatint; with another impression printed in colours.

Brisson, Barnabé; by T. de Leu.

Buffon, George Louis Leclerc, Comte de; after Houdon, by Hubert.

Burchard, Franz; woodcut executed in London on the occasion of his fifth embassy to England from the Court of Saxony in 1559.

Carignan, Thomas, Prince de; after A. van Dyck, by P. Pontius.

Catherine II. of Russia; by W. Dickinson, mezzotint.

Charlet,

Charlet, Nicolas Toussaint; by T. Valério, lithograph.

Charles V., Duke of Lorraine; after C. Herbel, by C. Hainzelmann.

Chauvelin, Henri Philippe; after L. C. de Carmontelle, by Delafosse.

Christian August, Prince of Anhalt-Zerbsk; after A. Pesne, by G. F. Schmidt.

Christine of France, wife of Victor Amadeus I. of Savoy; by N. Pitau.

Descartes, René; after F. Hals, by P. M. Alix, aquatint, printed in colours.

Dubarry, Marie Jeanne, Comtesse; after Marilly, by P. A. Le Beau.

Dyck, Anthony van; by J. E. Pannier.

Garnier, Robert; J. Grant, exc.

Halle, Claude; after Le Gros, by N. de Larmessin.

Henri IV., with Gabrielle d'Estrées, their son César, Duc de Vendôme, their daughter Catherine Henriette, and attendants; by L. Gaultier; proof before names of engraver and publisher.

Hortense, Queen of Holland; after Girodet, by J. N. Laugier.

Humbolt, Alexander, Baron von; after G. Dawe; mezzotint; proof before all letters.

Jackson, Andrew, President of the United States; two lithographs by A. Flandrin. Another; after Busset and Laclotte, by F. Cardon.

Joseph II., Emperor of Austria, with others, an equestrian group; after J. C. Brand, by C. de Mechel.

Kaunitz-Rietberg, Wenzel Anton, Fürst von; after J. Steiner, by J. M. Schmutzer.

Kotzebue, August; after Bolt, by C. E. Gaucher.

Lekain, Henri Louis; by C. A. Littret de Montigny.

Louis XIII., when Dauphin; by T. de Leu.

Louis XIV.; by J. F. Gauthier-Dagoty; mezzotint.

Louis XVIII.; after Pasquier, by P. M. Alix, aquatint, printed in colours.

Marie de Medicis; after A. van Dyck, by P. van Sompel.

Mars, Mlle.; after F. Gérard, by F. Lignon.

Napoleon I., in imperial robes; after Garnerey, by P. M. Alix, aquatint printed in colours.

Pardaillan de Gondrin, L. A. de, Duc d'Antin; after H. Rigaud, by F. Chéreau.

Paris, Louis Philippe, Comte de, when a child; after Winterhalter, by Gaitte.

Péréfixe, Hardouin de Beaumont de; by A. Masson.

Peter the Great; by A. de St. Aubin.

Rohan, Armand Gaston de, Cardinal; after H. Rigaud, by P. Drevet.

Rousseau, Jean Jacques; after Garnerey, by P. M. Alix, aquatint,

aquatint, printed in colours. Another; after Albrier, by H. Huet.

Sevigné, Marie de Rabutin-Chantal, Marquise de; by A. de St. Aubin.

Silva, Jean Baptiste; after H. Rigaud, by G. F. Schmidt.

Turenne, Henri de La Tour d'Auvergne, Vicomte de; I. van Merlin, exc.

Vernet, Antoine Charles (Carle); after Lepicié, by A. Jacquet.

Victor Amadeus, King of Sardinia; after J. B. Boucheron, by A. de St. Aubin.

English.

Adelaide, Queen; by J. Lucas, mezzotint; proof before letters.

Beauclerk, Topham; by S. Bellin; proof.

Brougham, Henry Lord; after J. Ramsay, by H. Meyer.

Cosway, Maria; after herself, by F. Pedro.

Frederick, Prince of Wales; after P. Mercier, by J. Simon, mezzotint. Another; after J. B. Vanloo, by B. Baron.

George IV.; after R. Bowyer, by J. Bromley, mezzotint; proof with open letters.

Gordon, Jane Maxwell, Duchess of; after W. Lane, by W. Evans.

Granville, George Leveson-Gower, Earl, K.G.; after G. Richmond, by T. L. Atkinson.

Layard, Right Hon. Sir Austin Henry, G.C.B.; after H. W. Phillips, by S. W. Reynolds, jun., mezzotint.

Mary II.; after W. Wissing, by B. Lens, mezzotint; proof before letters.

Nelson, Horatio, Viscount; after W. Beechey, by E. Bell, mezzotint; proof with open letters.

Newman, John Henry, Cardinal; after Sir W. C. Ross, by R. Woodman.

Pitt, Right Hon. William; after W. Owen, by C. Brome.

Thatcher, Hannah; after R. E. Drummond, by R. Webster; printed in colours.

HISTORY.

The Conspiracy of Amboise, March 1560; Execution of the Conspirators of Amboise, March 1560; and execution of Jean Poltrot de Meray, March 1563; three woodcuts by or after J. Tortorel and J. Perrissin, copied from plates in their "Quarante Tableaux ou Histoires diverses qui sont memorable touchant les Guerres, Massacres et Troubles advenus en France ces dernières années."

Playing Cards.

Impressions of a set of sixteen engraved on silver plates by P. Benner, at Augsburg, about 1610–20, now in the possession of Mr. Falcke. *Presented by Isaac Falcke, Esq.*

Books of Prints.

Brown, Ford Madox. A series of twenty autotype reproductions of his cartoons.

Lippmann, Friedrich. "Zeichnungen von Albrecht Dürer in Nachbildungen," Abth. XXIII–XXV., Berlin, 1894, fol.

"La Rigenerazione dell'Olanda"; with twenty political caricatures etched by H. Hess; Venice, 1799.

Sidney Colvin.

Department of Egyptian and Assyrian Antiquities.

I.—*Arrangement, Cataloguing, etc.*

Egyptian Antiquities:—

The general re-arrangement of the Egyptian Collection has been continued, and a number of important objects acquired during the year have been incorporated and exhibited.

Five hundred and sixty-six labels have been written and painted, and attached to objects in the exhibition cases; five hundred wooden labels have been prepared; one hundred and sixty-nine oak plinths and pedestals have been made; three frescoes have been repaired and mounted; one hundred and ninety-one objects have been cleaned and mounted; labels have been affixed to the sarcophagi in the basement. Twenty-seven ostraka have been joined.

Nine hundred and eighty-six objects of the various collections, and three hundred and thirty-three scarabs have been registered and catalogued.

The Egyptian text of the Book of the Dead from the *Papyrus of Ani*, with interlinear transliteration and translation, running translation, introduction, &c. has been published. The section of the General Guide describing the antiquities in the Department has been revised and enlarged. Two papyri have been transcribed.

Assyrian Antiquities :—

The general re-arrangement of the tablets has been continued. The contents of the cases in the Nineveh Gallery have been revised and re-arranged and classified, and the labelling of the tablets has been continued. The contents of the case containing the cylinders and tablets of the later Babylonian Empire have been re-arranged and labelled.

Five hundred and sixteen tablets have been repaired; one hundred and two tablets have been cleaned; one hundred and eighty-four "joins" have been made; and two thousand four hundred and thirty tablets have been arranged in numbered boxes on shelves. About fifty blocks for raising the inscribed cylinders have been made; fifty-five weights, bricks, figures, &c. have been mounted on plinths or pedestals; and the large Assyrian cylinders have been mounted on new and improved pedestals. The case list for the Assyrian room has been continued, and the Babylonian cones have been remounted.

About three hundred and sixty tablets of the Spartali II., 88-5-12, and 91-5-9 collections have been copied and catalogued; thirteen hundred and twenty-one tablets of the 91-5-9 collection have been registered; three thousand six hundred and seventy-one tablets of the Kouyunjik collection have been verified with the registers, and found to be correct.

Twelve sheets of the fourth volume of the *Catalogue of the Cuneiform Tablets in the Kouyunjik Collection* have been passed for press.

Twenty-three paper impressions of inscriptions have been made.

Students :—

One thousand seven hundred and thirty visits have been made to the Egyptian and Assyrian Department by students and others; and fourteen thousand five hundred and sixty objects have been issued to them for study.

II.—*Acquisitions.—Purchases.*

i. Egyptian :

1. Alabaster stele with a figure of the lady Theth in relief; IVth or Vth dynasty; about B.C. 3600.
2. Slab with painted figure of Khnemu hetep, a high official who flourished in the Vth dynasty; about B.C. 3600.
3. Side of a *mastaba* door of the time of Pepi I.; about B.C. 3300.
4. Complete *mastaba* door with upper tablet and libation

libation slab. Vth or VIth dynasty; about B.C. 3500.

5. Two rectangular wooden coffins and mummies of high officials; XIth dynasty; about B.C. 2500.

6. Limestone memorial cone of a scribe named Sebek-hetep, who flourished during the reign of Sebek-em-sa-f II., a king of the XIIIth dynasty; about B.C. 2200. From Upper Egypt.

7. Limestone stele of Antef, a high official; XIIth or XIIIth dynasty; about B.C. 2200.

8. Black granite head of a king; XVIIIth dynasty; about B.C. 1500. From Thebes.

9. Black granite figure of the scribe Amen-em-heb holding a stele; about B.C. 1500. From Thebes.

10. Black granite figure of a man holding a stele; XVIIIth dynasty; about B.C. 1500. From Kūrna.

11. Large alabaster vase; XVIIIth dynasty. From Thebes.

12. Three limestone stelae inscribed with hymns to the Sun; after the XXth dynasty; about B.C. 500. From Akhmîm.

13. A mace head with knobs.

14. Green basalt scarab inscribed with Chapter XXX. B. of the Book of the Dead. XXIInd dynasty; about B.C. 950.

15. A collection of fine blue glazed *faïence* vases, pectorals, plaques, figures of gods, &c. XXth dynasty; about B.C. 1100. From Tūna (?).

16. Glazed *faïence* figure of Bes suckling Horns. From Abydes.

17. A *faïence* bracelet.

18. Two stone mortars. From Thebes.

19. Bronze case for mummied snake. From Thebes.

20. Bronze case for mummied shrew-mouse. From Thebes.

21. Bronze figure of Canopus. A rare object. Late period. From the Delta.

22. A fine, well-cut, figure of the goddess Isis in green basalt, holding Osiris, in mummied form, upright between her wings. This figure was dedicated to "Isis the divine mother, great lady," by the high official Shashanq; about B.C. 500; it is probably the finest figure of its class in the Museum. From Thebes.

 23. Mother-

23. Mother-of-emerald figure of Isis suckling Horus; dedicated to Isis by a high official in the reign of Psammetichus I., King of Egypt; about B.C. 660. The figure is plated with gold, and is inserted in a granite pedestal.

24. Bronze sword; XXVIth dynasty.

25. Bronze dagger; XXVIth dynasty.

26. A bronze cat on a pedestal made in the shape of the emblem of the cat-goddess Bast; XXVIth dynasty.

27. Green stone serpent with female breasts. Græco-Roman period.

28. Colossal "Canopic" jar, Græco-Roman period.

29. Head-rest on pillar, inlaid with ivory plaques. Græco-Roman period.

30. Two large terra-cotta figures of a female painted white, to resemble the nude body. Græco-Roman period.

31. Gnostic gem inscribed with a figure of a worshipper making an offering to Nemesis, and the names Jah, Sabaoth, Adonai, Zabourē, &c.; about A.D. 300.

32. A collection of gold earrings, stars, pendants, &c. of the Græco-Roman period.

33. A haematite seal with an inscription in Pehlevi; about A.D. 600.

ii. Assyrian:—

1. A collection of about three thousand five hundred and twenty-eight Babylonian tablets, inscribed with contracts, letters, lists of estates, properties etc., belonging to a period about B.C. 2500.

2. A brick of Ur-gur, King of Babylonia; about B.C. 2500.

3. Two bricks of Nebuchadnezzar II.; about B.C. 604.

4. Four bricks of the Susian King Silhak-Inshushinak, the son of Shutruk-Nahhunti.

5. Two fragments of Susian bricks, without name of king.

6. Two small Assyrian bas-reliefs from the palace of Assur-nasir-pal (about B.C. 885–860) at Nimroud.

7. Two rectangular slabs of alabaster, with figures of men in relief, being parts of one of the bas-reliefs

reliefs representing the building of the palace of Sennacherib at Nineveh, now in the British Museum.

8. A brick of Nebuchadnezzar II.; about B.C. 604.

9. A fragment of Persepolitan sculpture.

10. Two Assyrian bas-reliefs, from the palace of Assur-nasir-pal (about B.C. 885–860) at Nimroud.

11. Lapis-lazuli cylinder seal inscribed with the figure of a king planting his foot on the body of a prostrate foe, and two lines of archaic cuneiform characters.

Presents.

I.—1. Two stone chisels found below the cliffs at Beni-Hasan in Upper Egypt.

Presented by the Egypt Exploration Fund.

II.—1. Four hæmatite rods for applying stibium to the eyes.

2. Three hæmatite cylinders inscribed in Babylonian characters.

3. A hæmatite cylinder inscribed in unknown characters.

4. Six uninscribed hæmatite scarabs.

5. A scaraboid inscribed "Beautiful life" *Nefer-ānkh.*

6. Two hæmatite objects; use unknown.

7. Hæmatite Gnostic gem inscribed with a snake, the vase of sins, etc.

8. Green jasper pendant.

Presented by the Earl of Crawford, K.T.

III. Two large mummied crocodiles. Found at Kom Ombos in Upper Egypt. XXVIth dynasty (?); about B.C. 600.

Presented by the Egyptian Government, 1895.

IV.—1. Gold figure of the god Thoth holding an *utchat* or "symbolic eye."

2. Lapis-lazuli scarab mounted in gold.

3. Steatite scarab mounted in gold.

4. Amulet of the heart in gold.

All the above probably belong to the period of the XXth dynasty; about B.C. 1200.

Bequeathed by Dr. John Anthony.

V. Bronze shrew-mouse, from a bronze case made to hold a mummied shrew-mouse; about B.C. 600.

Presented by J. W. K. Cuninghame, Esq.

VI.—A royal seal cylinder of "Gamil-Sin, King of Ur, king of the four quarters of the world"; about B.C. 2500. The text is published in Rawlinson, *Cuneiform Inscriptions of Western Asia*, vol. 1, plate iii., No. XI.

Presented by the late Sir H. C. Rawlinson, Bart., G.C.B.

VII.—1. Four Babylonian contract tablets; about B.C. 2500.

2. A large fragment of a Babylonian tablet; about B.C. 2500.

Presented by John Craig, Esq.

VIII. A circular, hollow, large stone vessel, inscribed with the name of Ispuinis, the son of Sardur I., King of Armenia; about B.C. 820. From Van.

Presented by C. P. Devey, Esq., F.R.G.S., *H.B.M's Vice-Consul at Constantinople.*

IX.—1. Fragment of a baked clay tablet inscribed in Assyrian with a part of a duplicate text of the "Eponym Canon I."; the text on the obverse refers to the years B.C. 794–777, and that on the reverse to the years B.C. 776–768.

2. Fragment of an omen tablet inscribed in Assyrian.

3. Fragment of a tablet inscribed with forecasts in Assyrian.

4. Fragment of a private contract tablet inscribed in Assyrian.

5. Babylonian contract tablet; the name of the king is wanting. This tablet has a docket in Phœnician.

The first four fragments were found on the mound of Kouyunjik by the late Mr. C. J. Rich in 1820; and the Babylonian tablet (No. 5) came, probably, from Baghdad.

Presented by Miss A. Holmes.

X. A series of piece moulds, made from casts taken from paper squeezes of sculptured slabs at Persepolis, and a series of piece moulds of details of architecture made from the actual remains at Persepolis.

Presented by Cecil Harcourt Smith, Esq.

XI. A limestone

XI.—A limestone stele inscribed with five lines of Phœnician characters stating that it was set up by Arish in memory of his father Parsi, the son of Arish, and of his mother Shemzabal, the daughter of Baal-ram. This stele was probably inscribed in Greek also, but no traces of the inscription remain; it belongs to the period about B.C. 250. Found at Larnaca in Cyprus.

Presented by J. L. Myres, Esq.

XII.—1. A book of MS. copies of cuneiform texts by the late Sir A. H. Layard, G.C.B.

2. A number of MS. copies of cuneiform texts by the late Sir Henry Rawlinson, Bart., G.C.B.

3. Journal of the Royal Asiatic Society, Vol. X., with notes.

Presented by Mrs. Sinclair.

XIII.—Cast of a statute of Gudea, King of Shirpurla or Lagash; about B.C. 2500.

The figure of the king, who is here represented as an architect, is covered with an inscription in archaic cuneiform characters describing the construction and dedication of the temple of the god Ningirsu at Lagash, wherein the statute was set up.

Presented by the Museum of the Louvre.

XIV.—1. Limestone bust of Môkîmû, the son of Môkîmû.

2. Limestone bust of Môkîmû, the son of Garyâ.

3. Limestone bust of Malkath, the daughter of Aydaʿān.

4. Limestone bust; name broken away.

The above are fine examples of the class of busts which were set up to commemorate deceased nobles at Palmyra (Tudmur) in the third century of our era; the names are uncommon, and were probably adopted by their owners, who seem to have been of Roman origin.

5. Six heads from limestone busts found at Palmyra.

Presented by the Dowager Lady Howard de Walden.

E. A. Wallis Budge

Department of Greek and Roman Antiquities.

I.—*Arrangement, Cataloguing, etc.*

The sculptures and architectural remains of the temple of Diana at Ephesus have been put together and erected in the Ephesus Room; progress has been made in restoring an Ionic capital from the archaic temple at Ephesus; moulds have been made from the column and entablature of the Mausoleum, and from three marble heads; the Erechtheum column has been set up on a marble plinth; eight new plinths of variegated marble have been placed under sculptures; a head has been restored and mounted, and an archaic head restored; five sculptures and four inscriptions have been mounted on plinths, and 16 inscribed lead tablets on slate; 26 vases, five terra-cottas, eight bronzes, and a series of objects from Cyprus have been cleaned and repaired; 22 frescoes and four drawings have been mounted and framed; 1,980 gems and rings have been re-mounted on velvet-covered blocks, and 30 gems in silver-gilt settings; the table-cases in the Gold Ornament Room have been fitted with new locks, as also the cases in the vestibule, where the collection of objects in silver has been arranged, and a series of frescoes placed on the walls; the mounting of gems, rings, and gold ornaments in the new Gold Ornament Room has been completed, and the room thrown open to the public; two upright cases in the Fourth Vase Room have been re-arranged; two cases in the Etruscan Room have been fitted up for the collection of bronze mirrors, one for the collection of Greek and Roman weights and miscellaneous antiquities, and one for the exhibition of antiquities excavated at Curium in Cyprus; the Departmental library has been re-arranged and re-catalogued in the old Gold Ornament Room, the presses re-numbered, and the room opened to students; the collection of terra-cottas has been re-arranged and numbered; 120 bronzes have been catalogued; 356 objects registered; 375 written, and 797 printed labels prepared and attached to objects; nine sets of duplicate antiquities from Amathus have been selected for presentation to local museums; 43 drawings have been made for the Vase-Catalogue, of which Vols. III.–IV. have been nearly completed; progress has been made with the Catalogues of Sculpture (Volume II.) and of Bronzes.

II.—*Acquisitions.*

By Donation.

I.—1. Ancient terra-cotta impression of a coin of the Kilbiani Superiores.

2, 3. Two ancient terra-cotta impressions of gems.

Excavated under the floor of a Roman house at Myndus, and presented by Mrs. W. R. Paton.

II.—1. Terra-

II.—1. Terra-cotta handle of lamp with Achilles dragging Hector round the walls of Troy (Iliad xxii, 405–407).

2. Terra-cotta amphoriscos; Cupid with bee.

3. Fragment of yellow glazed ware; Psychè binding Cupid.

4. Similar fragment; boy with lyre.

5. Alabaster vase for cinnamon.

1–4 *from Egypt. Presented by Prof. W. M. Flinders Petrie.*

III.—Fragment of a tabula Iliaca engraved on alabaster. Above is Achilles dragging Hector round the walls of Troy (Iliad xxii); below, Achilles and Athenè (Iliad xix, 352). Compare Annali dell' Inst. 1875, pl. M, and Proceedings of the Soc. of Antiqs., 2nd Ser., xiii, p. 100.

Presented by Hermann Weber, Esq.. M.D.

IV.—Antiquities excavated, Jan.–Apr. 1895, at Curium in Cyprus, under the bequest of Miss E. T. Turner, including:—1. Marble base with inscription of fourth century B.C., Δήμητρι καὶ Κόρῃ εὐχὴν Ἑλλοόϊκος Ποτείσιος ἀνέθηκεν, repeated in Cypriote characters below.

2. Marble head of Aphroditè.

3. Vases of alabaster.

4. Gold ring with backing of gem (now lost) in green stone.

5. Four small gold objects from Mycenaean tombs.

6. Fragments of gold-leaf.

7. A series of gold earrings, with patterns in filagree, &c.

8. A number of small gold beads (some of the Mycenaean period).

9. Five spirals for the hair in bronze gilt.

10. Gold ring with pendant gem in gold setting.

11. Gilt bronze ring (the gem lost).

12. A fine pair of gilt-bronze bracelets ending in rams' heads.

13–14. Two gold rings, one with filagree-work on bezel, and the other with turquoise pendant.

15–16. Two gold rings, one with intaglio design of a female figure reclining, and the other with a female head.

17. Pair of gold earrings ending in lion's heads.

18. Gold chain-necklace of very delicate work.

19. Agate scaraboid with intaglio of Heracles (archaic), mounted on a silver ring.

20. A series of silver bracelets, rings, spirals and figures of Bes in relief, much injured.

0.97. 21. Silver

21. Silver ring and rock-crystal intaglio with design of a youth holding a hare to which a dog leaps up; inscribed in Cypriote characters, "Lamptiles (?)"

22. Steatite scarab of Thothmes III.

23. Sard scaraboid, on bronze swivel.

24. Black basalt scarab with ibex.

25. Sard scarab of the twenty-sixth dynasty (666–527 B.C.) from a Mycenaean tomb.

26. Steatite (?) intaglio of a bull lying down, resembling in style the bulls on the Vaphio cups in Athens, from a Mycenaean tomb.

27. Phœnician cylinder with conventional design of Gryphon and tree, from a Mycenaean tomb.

28. Two large glass rings.

29. A tall cup of opaque blue and yellow glass (Mycenaean).

30. A series of glass vessels of the Roman period.

31. Bronze statuette of archaic Greek workmanship: a female figure holding up her dress, forming part of a candelabrum.

32. Fragments of bronze candelabra, and a small bronze bull.

33. Several bronze fibulæ, one of them being of an early (Mycenaean) type.

34. Bronze mirrors, bowls, and other objects.

35. Two bronze mirror-handles of Greek workmanship; on one a Gorgoneion, on the other a Siren.

36. Bronze knives and spear-heads from the Mycenaean tombs.

37. A terra-cotta female statuette of the Tanagra type.

38. A terra-cotta figure of a Centaur carrying a doe; traces of colouring.

39. Terra-cotta figures of a primitive Cypriote type, including men on horseback, horses, birds, &c.

40. A rude terra-cotta female image of the most primitive type.

41. Terra-cotta head of a priest, statuettes of Artemis and a water-carrier, from the favissæ of a temple.

42. A terra-cotta figure of a man climbing a tree pursued by two wolves (?)

43. A series of terra-cotta Roman lamps; one inscribed COPPINIS.

44–51. Pottery from the Mycenaean tombs:—

44. A Mycenaean kylix with design of cuttle-fish.

45. A funnel-shaped vase decorated with murex-shells.

46. A series

46. A series of jugs and bowls with simple patterns in black on cream-coloured ground (of local make).

47. A series of 'false amphoræ' and other painted vases of Mycenaean character.

48. A jar of red ware with a primitive sign painted on the shoulder.

49. A large vase decorated with human figures in chariots.

50. A similar vase; between the chariots are a series of panels in which are female figures.

51. A large 'false amphora' with an octopus painted on either side.

52. A series of vases of local make, in imitation of Mycenaean ware.

Among the vases of later periods may be mentioned :—

53. A small amphora with lattice-work patterns in black and white on red ground.

54. A late black-figured kylix ; on either side, Dionysos.

55. A red-figured cotylè, with owl and laurel-branch.

56. A black glazed kylix, with Gorgoneion in the centre.

57. A large hydria with figures painted in white with yellow details on black ground, similar to many found in Southern Italy.

58. Three jugs of red ware with wreaths and other patterns in opaque colours.

59. Two jugs with handles formed by figures of women holding pitchers, one richly decorated in polychrome.

60. A series of vases of the common Cypriote type, with circles and other geometrical decorations ; on one are a bull and fish, among geometrical patterns.

61. Fragments of a vase of red ware, of late date, with a head of Hathor in relief

By Purchase.

I.—*Objects in gold or silver.*

1. Gold necklace with amethyst pendant.

2. Pair of Etruscan gold earrings. *Populonia.*

3. Gold head of ram. *Cyprus.*

4. Pair of spirals, gold-plated, with Cypriote inscriptions (see A. Cesnola, Salaminia, p. 48 ; Collitz, Gr. Dialekt-inschriften, I., 140).

5. Gold amulet in the form of an Egyptian male figure. *Cyprus.*

6. Gold tablet with dedication of a temple to Osiris, by Ptolemy Euergetes I. and Berenice (247–222 B.C.; C.I.Gr. 4694). *Found in the ruins of a temple at Canopus, and presented by Mehemet Ali to Sir Sidney Smith*, 1818.

7. Silver vase with gilt patterns. *Athens.*

8. Silver-plated bowl.

9. Silver bust of Antonia, wife of Nero Drusus (compare Bernoulli, Röm. Ikonographie, II. pt. 1, pl. 14; Gazette des Beaux Arts, August, 1895, p. 89). *Found in a Roman villa at Boscoreale, near Pompeii, in April* 1895.

II.—*Bronze.*

1. Term of young Satyr.

2. Ink-pot.

3. Vase with handles formed by dolphins.

4. Hand with magical symbols.

5. Weight, with anchor in relief, inscribed ΔΗΜΟ. *Sidon.*

6. Stamp inscribed ΥΓΙΑ. *Sidon.*

7. Key, pierced with the letters ΥΓΙΑ, forming wards. *Bassah, near Tyre.*

8. Mirror case: Hermes embracing a Nymph. *Corinth.*

9. Weight, inscribed ΔΙΟΣ ΚΑΑ.

10. Dicast's ticket, with name of Thucydides of Lower Lamptrae.

11. A series of bronze trappings and parts of chairs or other articles of furniture.

III.—*Marble, &c.*

1. Bust of a Diadumenos, a copy of the original by Polycleitos (Revue Archéol., 1895, pl. 11–12, p. 145.)

2. Head of priestess, archaistic. *Athens.*

3. Limestone alabastron, archaic, in form of two heads.

4. Relief, representing a company of youths headed by two men, one of whom brings a torch to a statue of Artemis Bendis, at whose worship in the Piraeus there was held a race of horsemen, who passed from one to the other a burning torch (cf. Plato, *Republic*, *init.*).

5. Relief, with figures of three Nymphs dancing hand-in-hand; on the right, a head of Pan inscribed . . . CEN ΠΑΝΙ ΝΥΜΦΑΙΣ . . . (compare Harrison, Mythol. and Monum. of Athens, pp. 546, 547, and Ἐφημ. Ἀρχαιολ., 1893, p. 196.) *Athens.*

IV. *Terra-*

IV.—*Terra-cotta.*

1. Eros, hovering, with chlamys and sandals (Journ. Hell. Stud. XV., pl. 8, p. 211). *Eretria*

2. Old woman seated on a high chair, with footstool. *Tanagra.*

3. Grotesque figure of a seated woman. *Tanagra.*

4. Eros playing lyre, in Oriental costume. *Anthedon.*

5. Female figure with bird and fan. *Tanagra.*

6. Ram. *Cabeirion, Thebes.*

7. Nereid riding on dolphin, with helmet of Achilles. *Tanagra.*

8. Votive shield, on which is painted a crab. *Greece.*

9. Eros carrying a flower, late period and rough work.

10. Female figure putting on her himation.

11. Funeral mask of a female, wearing veil; slightly archaic. *Corinth.*

12. Funeral mask of a female, brightly coloured and archaic. *Tanagra.*

13. Funeral mask, archaic, brightly coloured.

14. Two archaic female figures seated side by side. *Thebes.*

15. Dancing girl. *Thebes.*

16. Girl with hair arranged like horns. *Corinth.*

17. Poseidon, holding tunny fish, of very fine archaic work; details rich and careful.

18. Athenè Promachos, of similar archaic style; drapery very finely treated. 17–18, *Malesina, Locris.*

V.—*Pottery.*

1. Lekythos, with design in black and red on white ground; a woman carrying a tray; inscribed ΠΑΤΡΟΚΛ[Ε] ΧΑΙΡΕ. (Journ. Hell. Stud. XV., pl. 7, p. 192.) *Athens.*

2. Red-figured kylix; int., Satyr and woman seated; ext., on either side, three youths.

3. Red-figured kylix in the style of Brygos; int., man and flute-player; ext., on either side, revel. (Hartwig, Meistersch. p. 350). *Vulci.*

4. Red-figured pelikè of best period; (A) Nikè offering sacrifice to Zeus; (B) two girls conversing (Stackelberg, Gräber der Hellenen, pl. 18). *Athens; found in* 1800, *near the Dipylon Gate.*

5. Unguent-box (*σμηγματοθήκη*). *Corinth.*

6. Fragment of rhyton in shape of dog's head.

7. Archaic Corinthian bowl; lion. *Thebes.*

8. Red-figured kylix, parodying the work of Duris; three scenes of banqueters, with inscriptions. *Thebes.*

9. Black-figured lekythos; contest of Heracles and Geryon.

10. Red-figured aryballos; boy and girl with bird.

11. Red-figured amphora of "strong" period; (A) Triptolemos and other figures; (B) Paris carrying off Helen. *Found in Aegina in* 1864.

VI.—*Engraved Gems.*

1. Onyx cameo; head of Heracles. *Sana, Yemen, Arabia.*

2. Fragment of onyx cameo; head of Diomede (?) with Palladion. *Palmyra.*

3. Sard scaraboid; female figure. *Eretria.*

4. Sardonyx intaglio; man climbing a palm tree. *Syria.*

5. Garnet intaglio; head of Helios and zodiacal signs.

6. Lapis lazuli intaglio; Serapis; inscribed AIEI NEIKA.

7. Onyx cameo in ancient setting; portrait-bust of young man. *Syria.*

8. Onyx cameo: Victory in biga; warrior crowned by woman.

9. Amethystine garnet intaglio: portrait of a woman of the first century A.D. *Baghdad.*

10. Steatite mould for two busts of Maenads.

VII.—*Miscellaneous.*

1. Part of ivory statuette: Orpheus (?) surrounded by animals.

2. Ivory head of Serapis. *Found near Cairo.*

3. Lead statuette of negro wearing drawers. *Found near Perugia.*

4—10. Seven lead weights, with Greek and Cypriote inscriptions. *Sidon.*

11. Two fragments of vitreous paste found at Canopus with the gold tablet described above.

A. S. Murray.

Department of British and Mediæval Antiquities and Ethnography.

I.—*Arrangement.*

Mediæval Room.—The old wall-cases at the west end and on the northern side of this room have been taken down, and new cases of an improved pattern have been erected in their place. This operation entailed the removal of the arms and armour, Oriental and European metal work, the series of clocks, and the greater part of the astrolabes, and similar instruments. A portion of these were exhibited in the Asiatic Saloon, among which were all the clocks and astrolabes, quadrants, &c. During the meeting of the Geographical Congress the whole of this last class was carefully labelled, and a list was made of them, which was printed by the Congress. On the completion of the new range of cases, the whole of the objects to be placed in them were cleaned and arranged on the new fittings which had been prepared for them. This work has only been completed during February of the present year (1896).

Asiatic Saloon.—The collection of Japanese sword-guards on loan, which had been exhibited in two table-cases in this saloon, had to be removed to make room for the astrolabes, &c., and have now been replaced.

Anglo-Saxon Room.—In consequence of the transfer to the British Museum of the large and important collection of Saxon antiquities from Faversham, bequeathed to the South Kensington Museum by Mr. Gibbs, a re-distribution of the contents of this room had to be made owing to its small size and already crowded state. This re-arrangement has now been accomplished, and the Gibbs Bequest has been displayed in two of the wall-cases and a table-case.

Ethnographical Gallery.—The various sections of this gallery have been examined from time to time, and the more perishable articles protected from moth or decay. The objects not under glass have been cleaned and examined, and the re-arrangements rendered necessary by fresh acquisitions or new information have been effected.

The glazed ends of the table-cases in this gallery have been covered with paper where necessary, and specimens have been placed on exhibition in them.

Five new frames of small objects have been mounted, labelled, and exhibited.

Shelves have been added to the sections of New Ireland, New Guinea, Marquesas, and North Africa.

Gallery of Religions.—In this gallery a considerable number of specimens have been incorporated, involving re-arrangement of the objects.

Gold Ornament Room.—The transfer of the collections from the old room to the new one has been completed, and the new room opened to the public. Fittings have been made for all the cases, the collections arranged in them, and a number of labels written for the objects.

A large series of drinking vessels of all periods and of various materials, deposited on loan by Sir A. Wollaston Franks, has been arranged in three wall-cases.

The registration of current acquisitions has been continued, and 598 objects have been registered, and 286 ethnographical objects have been drawn and described for the Slip Catalogue.

Seventeen tablets and fifteen mounting boards have been covered with paper, and 1,752 objects have been mounted. Twenty-one boards and six tablets have been made. Sixty plinths have been made, and objects mounted on them for exhibition.

Fifty-one labels have been painted; eighty card-labels with duplicates have been printed with the hand-press, and a large number written; 300 tickets and 116 headings to slips printed. Fifty-eight numbers have been written upon exhibition cases.

During the year there have been 1,578 visitors to the Department.

II.—*Acquisitions.*

(1.) *Early British and Prehistoric Antiquities:*—

Fourteen British urns more or less complete, stone implements, bone pins, bronze chisels, very remarkable remains of amber necklaces, and other objects, mostly found in barrows near Lake, Wilts; and obtained at the sale of the collection of the Rev. Edward Duke.

Worked bones from the River Kennet; presented by Joseph Stevens, Esq.; two bronze spearheads from Ireland and bone awl from Erith; presented by F. C. J. Spurrell, Esq.

Banded gold ring, or so-called ring-money, found at Rustington, Sussex; presented by Sir A. Wollaston Franks, K.C.B.

Late Celtic bowl of pottery, found at Dundrum, Co. Antrim; presented by the Rev. Leonard Hassé; and late Celtic bronze collar, found at Trenowith, Cornwall.

Twelve sling-bullets of pottery, and casts from pieces of timber showing adze marks, found on site of the British village near Glastonbury; presented by Arthur Bulleid, Esq.

The

The foreign illustrations include :—

Three limestone chisels from Beni Hassan, Upper Egypt ; presented by the Egypt Exploration Fund.

Thirteen greenstone axes from the Shevaroy Hills, Southern India ; presented by Frederick H. Short, Esq.

(2.) *Anglo-Roman :—*

A very remarkable statuette of Hercules in bronze, plated with gold, somewhat archaic in type, found on the estates of the Earl of Carlisle, in Cumberland or the neighbourhood ; bronze figure of a genius, from Brandon, Norfolk ; and a vase in pottery from St. Swithin's Lane, London ; all presented by Sir A. Wollaston Franks, K.C.B.

Bronze seal-box from the Thames ; presented by the Rev. J. C. Jackson.

Pewter bowl from Stream Works, Halvisick, Cornwall, 1793.

(3.) *Anglo-Saxon, Foreign Teutonic, &c., Gibbs Collection, Faversham :—*

Pottery, iron angon, axe-heads, &c., from an Anglo-Saxon cemetery at Croydon ; presented by Thomas Rigby, Esq.

Two fine circular brooches set with garnets, three coins, and two glass cups from the Anglo-Saxon cemetery at Faversham, Kent.

Gold armlet and silver ornaments found near Douglas, Isle of Man, with coins of various Saxon kings ; purchased as treasure-trove.

Contents of a tumulus on Barra Island, Hebrides, including two oval brooches of Scandinavian type, &c.

Portions of scale-armour, perhaps Carlovingian, found at La Tène, Lake of Neuchâtel.

The large and important collection of Saxon antiquities found at Faversham, Kent, known as "The Gibbs Bequest," bequeathed to the Science and Art Department by Mr. Gibbs, have been transferred to the Museum. This important addition adds very greatly to the archæological value of the Saxon series.

(4.) *Mediæval and Later :—*

(a.) *English.*—Bronze enamelled pendant from Dartford Priory, Kent ; presented by F. C. J. Spurrell, Esq. ; and two others.

Collection of Battersea enamels, boxes, plaques, portraits, &c., about 110 in number ; three portraits of Liverpool enamel ; small specimens of ancient embroidery, silver snuff-box with portrait of Queen Anne ; ivory medallion of George I., by Le Marchant ; tortoiseshell box by Obrisset, and various other objects ; all presented by Sir A. Wollaston Franks, K.C.B.

Court-sword, gold snuff-box, and gold watch of Edward

Gibbon, the historian, formerly in the possession of the Earl of Sheffield.

"Peter Pindar's" tobacco-stopper of ivory; presented by G. C. Boase, Esq.

(b.) *Foreign.*—An enamelled pax, apparently Italian, early 16th century.

A cross of copper gilt, with plaques of champlevé enamel on the arms. Italian, 14th century.

Plaque of Limoges enamel, with the Nativity, probably painted by Nardon Penicaud.

A comb of the 14th century, in gesso, with subjects from the Romance of Tristram; silver seal of John de St. Lawrence, set with an antique intaglio. Two cinque-cento cameos in onyx, with portraits of Philip II., and a lady; bronze medallion and plaque of Italian work, 16th century; two hemispherical boxes of brass, very delicately engraved and inlaid with silver, signed by Mahmud-al-Kurdy, who probably worked at Venice; silver patch-box with enamel, German; all presented by Sir A. Wollaston Franks.

Matrix of the seal of the Conde de Rivadeo, and an enamelled box, probably German; presented by Professor W. M. Flinders Petrie.

A cuir-bouilli pencase, and a German powder-horn of enamelled silver; presented by Max Rosenheim, Esq., F.S.A.

An astrolabe made at Antwerp by Aegidius Quiniet.

Dial by Caspar Vopelius of Cologne, 1651; ivory dial made at Paris; and sundial made at Palermo, 1634.

An Arab quadrant made by Muhammad, son of Ahmed, at Almeria in Spain, A.D. 1326–7.

Bronze bell made by Max le Ser, 1574; presented by Colonel F. Trotter.

Engraved portrait on silver of Willelmus Dilichius, 1637.

Iron centre of a Spanish buckler; presented by Charles H. Nevill, Esq.

Nine draughtsmen of impressed wood with historical subjects; presented by John Chester, Esq.

Two French snuff-boxes; presented by Henry Levy, Esq.

(5.) *Ceramic and Glass Collections*:—

(a.) *Chinese and Japanese Porcelain, Persian, &c.*—A few additions have been made to the Franks Collection. Chinese plate with the arms of Hanbury; presented by Mrs. R. D. Hill. Chinese coffee cup, with the initials H. F. Luttrell; presented by C. Fownes Luttrell, Esq.

A number of Indian, Persian, and Rhodian tiles, 47 specimens; presented by Sir A. Wollaston Franks.

Fragment of a bowl of enamelled pottery, signed by Esh Shemy, found at Fostât; presented by Henry Wallis, Esq.

Green

Green glazed lid of Arab bowl from Egypt; presented by Professor W. M. Flinders Petrie.

(b.) *Continental.*—Nine glazed vessels of the Middle ages from Cyprus, chiefly of sgraffiato ware, and a similar dish from Macedonia.

A majolica dish, with the subject of Marsyas, signed Monte Bagnolo, 1547, probably painted by Francesco Durantino; presented by Sir A. W. Franks. Early Faenza jug and plate.

Two armorial plates of Dutch delft, and a tile with a view of Brussels; presented by Sir A. Wollaston Franks.

A jug of Rouen ware; presented by C. R. Jennings, Esq.

(c.) *English.*—A Lambeth-ware mug, with the arms of the Drapers' Company, 1655; presented by R. W. Raper, Esq.

Two Chelsea figures with baskets, forming flower vases; presented by H. J. Pfungst, Esq., F.S.A.

Staffordshire teapot of basalt ware, made by E. Mayer, and a mediæval draughtsman of glazed pottery, found on the site of the Tickenall Potteries, Derbyshire; presented by Henry Willett, Esq.

(d.) *Glass.*—A remarkable alabastron, with wavy ornaments in blue, white, turquoise, and amber colours, with sprinklings of gold, found at Sidon, and thirty-three vessels found in Syria and Palestine. A circular stamped pendant from Palestine; presented by P. H. Ellis, Esq.

An Arab kohl bottle, with bronze stick, from Egypt; presented by F. G. Hilton Price, Esq., Dir. S.A. Seven fragments of the Roman period, from El Kab, Egypt; presented by Somers Clarke, Esq., F.S.A.

A cup of the Greek period, found in the Island of Ægina.

Five Persian vessels, and glass hand-grenade.

A goblet etched with English mottoes and date 1586, and a panel with bust of Charles II. in relief; presented by Sir A. Wollaston Franks. Another goblet with etched figures of the Four Seasons, and English inscription, 1663.

Fifty-two glass seals of the last century, made to fit into a single handle; presented by Mrs. Ross Scott.

(6.) *Collection illustrating various Religions:—*

(a.) *Christianity.*—Antique intaglio representing the Crucifixion, found at Kustendje, Roumania; two moulds for making ikons of the Greek Church, and two ikons; presented by Sir A. Wollaston Franks. A very fine ikon, being a painting overlaid in part with plates of enamelled silver, and two chrismatories of silver.

Bronze mould for casting a religious figure of St. George; presented by Charles Dawson, Esq., F.S.A.

Wooden board, with a Japanese decree against the Christians, 1684; presented by Sir A. W. Franks.

(b.) *Hinduism.*—A stone figure of Ganesa and another Indian deity, and five Hindu figures of bronze from Siam. Figure of Siva in bronze; presented by H. W. Harding, Esq.

Stone tablet, with Avalokita, from Mongyr; presented by Surgeon-major L. A. Waddell.

(c.) *Buddhism.*—A fine seated figure of Buddha, from Yusufzai; presented by Eustace Smith, Esq.; and three other sculptures from the same district.

Wooden figure of an ascetic from Burmah; presented by R. C. Swinhoe, Esq.

Four clay figures from a pagoda on the Mekong; presented by Sir A. W. Franks.

A Bonpa mould stick and other Lamaistic objects from Tibet; presented by Surgeon-major L. A. Waddell; and fifty Lamaistic objects, also from Tibet; presented by Sir A. W. Franks.

Two priests' caps from Corea; presented by W. Gowland, Esq., F.S.A.

Priests' robes of the Shingon sect of Buddhism; presented by the Rev. Horyu Toki, of Japan. Another set, a lacquered shrine of the patron of literature, and three wooden figures of Rakshasi of the Nichiren sect; Buddhist gong and packet of incense from Japan; presented by Kumagusu Minakata, Esq. A shinto "gohei," priest's robes, and rosary, from Japan; presented by Sir A. Wollaston Franks.

(7.) *Oriental and Ethnographical:—*

Portion of a suit of armour with the titles of the Sultan Kansuh el Ghory of Egypt (1501–6), and with the stamp of the armoury of Muhammad II.; an Indian spear-dagger, and an Indian back-scratcher of steel, inlaid with gold, and jewelled; presented by Sir A. W. Franks.

Two Japanese teapots of silver, and two tobacco-pipes, richly mounted in silver; presented by Mrs. Eustace Smith.

Among the ethnographical objects may be mentioned:—

Asia.—A further collection, illustrating the ethnography of the Andaman Islands; presented by Maurice V. Portman, Esq.

A series of objects from the Battaks of Sumatra; presented by S. R. Robinson, Esq.

Dyak objects from Borneo; presented by Mr. W. Leggatt.

Models of a bullock cart and canoe from Ceylon; presented by Stanley Rose, Esq.

Shan

Shan cloth from Burmah; presented by Rodway C. Swinhoe, Esq.

Porter's hod and other objects, from Chemulpo, Corea; presented by Dr. W. G. K. Barnes, R.N.

Africa.—An important collection obtained by Captain Hinde on the tributaries of the Congo, partly presented by him and partly obtained by purchase. Various objects from the Congo; presented by Sir Joseph Fayrer.

Knobkerries, etc., from South Africa; presented by A. Byrne, Esq.; and Kaffir bracelets; presented by Mrs. Lamb.

Oceania.—A collection of objects from the Western Pacific; a painted club and model of a canoe, from the Santa Cruz group; presented by the Rev. W. Earée.

An idol, from the New Hebrides; presented by Fred. Skeffington, Esq.

America.—An axe-head and two specimens of pottery, from Jujuy, Argentine Republic; presented by Joseph Addison, Esq. Ancient incense, from British Honduras; presented by Major G. C. Bayly. Wooden dish and other objects, from Florida; presented by Lieut.-Col. Durnford.

III.—Christy Collection.

Twelve hundred and eighty-one additional slips have been prepared for the Registration Catalogue, with sketches of the objects.

The following donations have been received by the Christy Trustees, and by them transferred to the Trustees of the British Museum:—

1. *Prehistoric Antiquities of Europe, Asia, and Africa:*—

A drift implement from Norfolk; two stone axes, stated to have been found in the same county, but probably West Indian; and a jade axe, found near Belfast; presented by F. C. J. Spurrell, Esq. Forty-three drift implements, from Kent; pierced hammer-stone, from Bognor, Sussex; flakes, from Syria and Palestine; a series of flakes, possibly palæolithic, collected by H. W. Seton-Karr, Esq., in Somaliland; presented by Sir A. Wollaston Franks.

Stone flakes from the desert behind Negadeh; presented by Professor W. M. Flinders Petrie.

Bronze arrowheads and rings plated with gold, from Nara, Japan; presented by T. Hayashi, Esq.

2. *Ethnography of Asia:*—

Various Tibetan dresses, etc., collected by Surgeon-major L. A. Waddell, and presented by Sir A. Wollaston Franks.

Two jew's-harps, from Tibet; presented by W. W. Rockhill, Esq. Water-pipes, etc., from China; presented by E. H. Fraser, Esq., H.M. Consul at Chung King.

3. *Ethnography of Oceania and Australasia*:—

A number of specimens from the Pacific Islands and Australia; presented by Sir A. Wollaston Franks. Grass armlets, from Matty Island; presented by H. Balfour, Esq.

Message-stick from Western Australia; presented by Sir W. H. Flower, K.C.B.

Humming-top, from Queensland; presented by Charles Handley, Esq.

4. *Antiquities and Ethnography of America*:—

Gold figures and ornaments found many years since in the Republic of Colombia, and described in "Archæologia Æliana," Vol. II. (1832), p. 252.

Paddle from Peru; pottery from Mexico, etc.; presented by Sir A. W. Franks, K.C.B.

Stone axe, from Brazil, and chisel, from Turk's Island; presented by Sir J. D. Hooker, K.C.S.I.

The Trustees of the Christy Collection have purchased from funds at their disposal the following collections, which they have likewise added to the Christy Collection: A small series of flint arrowheads, etc., from Banffshire; a large and important collection, chiefly made in New Zealand, by the late Mr. Meinertzhagen, including a few pre-historic implements from Europe; a series of ethnographical objects from the South Pacific; a complete set of tea-making apparatus and weapons, from Tibet; various objects from Ceylon; a large collection from British New Guinea and the Trobriand Islands; some fine Masai spears from East Africa; and a few other less important objects.

A. Wollaston Franks.

Department of Coins and Medals.

I.—*Exhibitions.*

In preparation for the exhibition to the public of selections of the finest and most interesting specimens of the various series of coins and medals, four new upright exhibition stands have been provided and placed under the windows of the Medal Room Corridor.

In these cases will shortly be placed an extensive representative series of the Anglo-Saxon, English, Scottish, and Irish coinages, in chronological order, ranging from the earliest issues

issues down to the present day. These coins have already been chosen, and the work of arranging and labelling them has been commenced.

II.—*Registration and Arrangement.*

1. *Greek Series:*—

680 coins, of various parts of the Greek world, recently acquired, have been registered and incorporated.

The work of writing and placing beneath the coins tickets giving references to the published Catalogues of Greek Coins has been continued, as follows:—*Troas*, 179 tickets; *Ionia*, 2,225 tickets (completing these volumes). This work, which extends over 17 volumes, has now been brought up to date.

36 coins, hitherto classed as uncertain, have been identified, and incorporated in their proper places.

The following series have been removed to fresh cabinets, and these parts of the collection have been expanded to admit of the incorporation of new acquisitions:—Cilicia, Eastern Asia Minor, Syria, Kings of Egypt, Alexandria, Cyrenaica, Carthage and neighbourhood, Electrum series, Persia, Alliance coins, Cistophori, False coins and Electrotypes of Spain, Gaul, Britain, Northern and Middle, and part of Southern Italy.

The collections, at present unarranged, of Greek and Roman leaden tesseræ, have been placed together in a separate cabinet.

The following collections have been examined, and, where necessary, selections have been made of coins desirable for the Museum:—Two large series of coins and rubbings from Smyrna; the Earl of Ashburnham's collection; a series of coins, chiefly of Northern Asia Minor; a small series, chiefly of Pisidia; a collection of Greek coins of all classes, belonging to Lord Grantley; the greater part of the Montagu Collection of Greek coins.

The coins of Lycia, Pamphylia, and Pisidia, in the Bibliothèque Nationale at Paris, have been carefully examined, for the purpose of obtaining additional information for the catalogue of the coins of these districts, and casts of some of the rarer coins not represented in the British Museum have been obtained.

In preparation for the Catalogue of Greek Coins, the work of re-arranging the various series in chronological order, and of weighing the specimens in gold and silver, has proceeded as follows:—

For the Catalogue of *Lycia, Pamphylia, and Pisidia*:—The coins of Aspendus, Attalia, Perga, Side, Sillyum, and Trebenna in Pamphylia; Adada, Amblada, Andeda, Antioch, Apollonia, Ariassus, Baris, Ceraïtæ, Comama, Conana, Cremna, Etenna, Isinda, Lysinia, Olbasa, Palæopolis, Panemoteichos,

moteichos, Pappa, Pednelissus, Pogla, Prostanna, Sagalassus, Seleucia, Selge, Termessus, Timbrias, Tityassus, and Verbe in Pisidia.

For the Catalogue of *Galatia, Cappadocia, Armenia, and Syria*:—The coins of the Kings of Cappadocia, Armenia, and Commagene; of the Κοινόν of Syria, and Commagene *in genere;* and of the cities of Germe and Tavium in Galatia; Cybistra, Tyana, and Cæsarea in Cappadocia; Antiochia ad Orontem, Laodicea, and Seleucia in Syria; Antiochia ad Euphratem, Doliche, Germanicia Cæsarea, Samosata and Zeugma in Commagene; Berœa, Cyrrhus and Hieropolis in Cyrrhestica.

In preparation for the Catalogue of *Caria, Cos, Rhodes,* &c., the casts made for illustration have been arranged on 45 plates.

2. *Roman Series*:—

50 coins, recently acquired, have been registered and incorporated.

39 specimens of Becker's forgeries of Roman gold coins, bequeathed by the late Mr. Hyman Montagu, have been registered and incorporated in the collection of false coins.

A hoard of bronze coins, chiefly of Carausius, found at Croydon, has been examined, and a selection made.

All the Roman gold coins and Medallions, about 1,300 in number, in the collection of the late Mr. H. Montagu, have been examined.

3. *English Series*:—

284 coins, medals, tokens, tickets, and counters, recently acquired, have been registered and incorporated.

1 English Medal, 3,233 Tavern Tickets, and 1,340 Miscellaneous Tickets, from the Freudenthal Collection, have been incorporated.

The work of writing and placing beneath the specimens tickets referring to the published volumes of the Catalogue of English coins has proceeded as follows:—Vol. I., 2,169 tickets (completing the volume); Vol. II., 90 tickets.

The coins of the reign of James VI. of Scotland have been re-arranged.

The series of Tavern Tickets, and the collection of Miscellaneous Tickets, have been re-arranged with heading-cards.

Electrotypes of silver, billon, and copper coins of England, from James I. to Victoria, and of Scotland, from David I. to James VI., have been made for exhibition.

The following collections or catalogues have been examined, and selections have been made:—A series of groats of Henry VIII.; a hoard of 95 Anglo-Saxon coins, found at Douglas, Isle of Man; a large hoard of English coins (5,725 pieces, chiefly half-crowns, shillings, and sixpences, ranging from

from Edward VI. to Charles I.), from East Worlington, near Lapford, Devon; and the first portion of the Sale-catalogue of the Anglo-Saxon coins in the Montagu Collection.

A series of 98 English Historical and Portrait Medals, ranging from the time of Henry VIII. to the end of the last century, has been selected to be electrotyped for presentation to local Museums, and full descriptions for the printed labels have been prepared.

4. *Mediæval and Modern Series:—*

92 coins and medals, recently acquired, have been registered, and 97 incorporated.

94 French jetons, 7 tokens of Gibraltar, and 118 coins of the South American States, from the Freudenthal Collection, have been incorporated.

The coins of the Knights of Rhodes and Malta have been transferred to a new cabinet, and fresh heading-cards and external labels written.

The coins of the South American States have been re-arranged.

The expansion of the collection of French jetons in three cabinets has been completed, and heading-cards have been written.

The series of medals of Portugal, Spain, Mexico, and Poland, and part of the series of Dutch and Flemish medals, have been re-arranged in chronological order, with suitable heading-cards and labels, in the new Medal-cabinets.

5. *Oriental Series:—*

396 coins recently acquired have been registered, and 675 incorporated; and, of the Cunningham Collection, 1,178 have been registered and incorporated.

The Japanese series has been arranged in one cabinet, and the cabinets containing the coins of Japan, China, Corea, Siam, Burma, &c., have been labelled.

The series of larins, or pieces of fish-hook money used on the Persian Gulf, has been arranged and incorporated at the end of the Oriental series.

6.—*Collection of Casts:—*

The whole collection of sulphur casts has now been re-arranged and placed in the Medal-Room Gallery in 14 cabinets, furnished with heading-cards and labels.

III.—*Catalogues, Guides, &c.*

Greek Series:—

1. Catalogue of Greek coins. *Caria, Cos, Rhodes,* &c. By B. V. Head.

20 Half-sheets (B—X)=160 pages, have been sent to press, and Plates I.—XXIII. have been autotyped.

0.97. 2. *Guide*

2. *Guide to the Coins of the Ancients.* By B. V. Head. A fourth edition has been printed and issued.

IV.—*Acquisitions*, 1895.

The total number of coins and medals added to the National Collection during the year is 1,278, viz.: 146 of gold, 513 of silver, 609 of bronze, and 10 of other metals.

Of these, 253 have been presented or bequeathed, viz., 54 of gold, 51 of silver, and 148 of bronze and other metals.

The donations are chiefly due to the generosity of H. F. Amedroz, Esq., the Rev. Canon Carey Borrer, S. Butler, Esq., J. Fenn Clark, Esq., Ernest Clarke, Esq., Major.-Gen. M. G. Clerk, R. Stewart Clough, Esq., E. A. Elliot, Esq., Sir John Evans, K.C.B., Sir A Wollaston Franks, K.C.B., E. A. Gait, Esq., J. Gordon, Esq., Lord Grantley, F.S.A., H. Hulbert, Esq., Sir John Kirk, G.C.M.G., Señor Pablo Landerer, L. A. Lawrence, Esq., A. J. Lawson, Esq., Rev. T. R. Maynard, the late H. Montagu, Esq., W. R. Paton, Esq., Prof. Flinders Petrie, T. Rigby, Esq., Capt. Sandwith, S. Shapland, Esq., Lord Walsingham, LL.D., F.R.S., H. Weber, Esq., M.D., Dr. C. G. Weld, C. E. Williams, Esq., the Asiatic Societies of Bengal and of Bombay, and the High Senate of Hamburg.

In the following Table the acquisitions are classified according to the five principal series to which they belong :—

CLASS.	Gold.	Silver.	Bronze.	Billon.	Lead.	TOTAL.
Greek	20	178	479	–	–	677
Roman	47	–	34	–	–	81
British, Colonial, &c.	3	248	15	1	–	267
Mediæval and Modern	56	22	5	–	2	85
Oriental	20	65	76	–	7	168
TOTAL	146	513	609	1	9	1,278

REMARKABLE COINS AND MEDALS.

Among the acquisitions of the year the following are worthy of special notice :—

1. *Greek Series :—*

(*a*) Archaic Coins, B.C. 700—480.

Olynthus (?) in Macedon.—An archaic tetrobol. *Obverse,* Naked horseman riding to the front. Of this type only one other

other specimen is known (*Revue Numismatique*, 1883, Pl. ii. 6). An example of the skill with which a Greek die-engraver, as early as the sixth century, B.C., was capable of grappling with the technical difficulty involved in presenting in low relief by means of different planes a horse and rider facing the spectator.

Eretria (?) *in Euboea.*—An unpublished archaic didrachm. *Obverse*, Cow with letter E beneath; *reverse*, incuse square diagonally divided. This coin, presumably of Eretria, is more ancient than any other inscribed specimen of the city.

Cnossus in Crete.—An early fifth century silver stater. *Obverse*, Minotaur; *reverse*, Labyrinth in Swastika form with star in centre, and four deep incuses at the corners. Fine and unpublished (cf. Svoronos, *Numismatique de la Crète*, Pl. iv. 24).

Phocaea in Ionia.—An archaic electrum hekte ($\frac{1}{6}$ stater) in perfect condition and unpublished. *Obverse*, a recumbent lion with a seal (*phoca*), the emblem of Phocaea, above his back.

Samos (?).—An extremely archaic electrum stater, discovered in the island of Samos. There are two similar specimens in the French collection at the Bibliothèque Nationale (cf. *Num. Chron.* 1875. Pl. ix. 1, and *Rev. Num.* 1894, p. 150).

Chersonesus of Caria.—A unique silver coin of Aeginetic weight (90·4 grs.) and of archaic style. *Obverse*, lion's head as on the coins of Cnidus; *reverse*, +EP and bull's head facing.

Posidion in Carpathos.—A very rare and fine archaic stater of the sixth century, B.C. *Obverse*, two dolphins with a smaller dolphin beneath (cf. Head, *Hist. Num.* p. 535). Purchased at the Carfrae sale.

Camirus in Rhodes.—A small archaic electrum coin of the sixth century, B.C. *Obverse*, a fig-leaf, the characteristic type of the ancient city of Camirus; interesting as the only specimen of the archaic electrum currency of the west coast of Asia Minor which can be assigned to any place south of Miletus.

Lydia.—An electrum stater of the eighth or seventh century, B.C., the *obverse* type of which consists of the two guardian lions of the goddess Kybele standing face to face on their hind legs in heraldic fashion on either side of a column. The resemblance of this *schema* to that of the famous lion gateway of Mycenae is suggestive, as it seems to show that this design was, like most other coin-types of the

 earliest

earliest period, also used as a royal or sacred emblem and signet on the coins.

Lydia.—A fine silver stater of King Crœsus (B.C. 568–554) of the usual Lion and Bull type.

(*b*) Transitional, fine art, and later coins, B.C. 480 to Imperial times.

Eryx in Sicily.—Two tetradrachms struck towards the close of the fifth century, B.C. One of these has on the *obverse* a victorious quadriga, and on the *reverse* the legend ERVKINON and a figure of Aphrodite seated, holding a dove and with a winged Eros standing before her. The other, which is of rougher work, has the same *reverse* type, but on the *obverse*, in place of the chariot, a dog before three stalks of corn, a type which occurs at the neighbouring city of Segesta, where the dog symbolizes the River Crimissus. The combination of these types on one coin proves close commercial relations between the two cities of Eryx and Segesta.

Istrus in Mœsia Inferior.—A remarkable silver drachm. The very high relief and fine style of the heads of the Dioskuri on this coin, and the well-defined incuse square on the *reverse*, show that it belongs to the end of the fifth century. It is thus quite a hundred years earlier than any of the other coins of Istrus in the Museum collection. Purchased at the Carfrae Sale.

Philippi in Macedon.—A beautiful gold stater of the time of Philip of Macedon, struck before his death in B.C. 336. The style of the head of Herakles on the *obverse* is freer than on any hitherto published specimens. The town of Philippi had, during Philip's reign, the unique privilege of autonomous coinage of gold as well as of silver.

Eurea or Eureae in Thessaly.—An extremely rare bronze coin of the best period of art (B.C. 400–344). *Obverse*, a very refined head of a Bacchante, full face; *reverse*, ΕΥΡΕΑΙΩΝ Vine-branch with grapes and small letter Λ. Eurea is an entirely unknown Thessalian town, the existence of which was for the first time established by a coin, probably from the same die as the present specimen, in the collection of the Hermitage Museum at St. Petersburg.

Eurea (?) in Thessaly.—Another Thessalian bronze coin, evidently from the same "find" as the preceding, scarcely inferior to it in style, and quite unique. *Obverse*, head of Zeus of excellent Thessalian work; *reverse*, a vine-branch accompanied by the letter Λ. If it is not a coin of Eurea, it must have been struck at some city in the immediate neighbourhood of that town.

Melitaea

Melitaea in Thessaly.—A fine and very rare fourth century bronze coin, having on the obverse a head of Zeus, and on the reverse **ΜΕΛΙ** and a Bee (Μέλιττα) a "type parlant" in allusion to the name of the city.

Pharsalus in Thessaly.—A bronze coin of the first half of the fourth century, B.C., and of a type new to the Museum. *Obverse,* head of Athena Itonia, with a figure of Skylla on her helmet, and the letters **ΤΗ** beneath. *Reverse,* **ΦΑΡΣ** Thessalian rider brandishing a whip.

Pheneus in Arcadia.—A beautiful and apparently unique silver coin of early fine style. *Obverse,* Ram; *reverse,* Naked Hermes with petasos hanging behind his neck, seated on a stone pedestal. Hermes was the god chiefly worshipped at Pheneus, and festivals in his honour, called Hermaea, were held there.

Cyzicus in Mysia.—A rare electrum stater, having on the *obverse* a bearded figure of Herakles naked, kneeling and holding club over right shoulder, and the horn or cornucopiae of Pluto on his left arm. This type of Herakles holding the horn has been only recently elucidated (cf. Roscher, *Lexikon,* p. 2187). *Presented by H. Weber, Esq.,* M.D.

Ionia and Caria.—A very interesting hoard of 13 gold Philippi discovered in the lower Maeander Valley, the adjunct symbols of which prove that they must have been struck at various Asiatic cities more than a hundred years after Philip's death, B.C. 336. This "find" of Asiatic gold Philippi, a class of coins hitherto quite unknown, sheds an entirely new light on the very fragmentary history of the Greek cities of Western Asia Minor during the first half of the second century B.C. The existence of Ionian, Carian, and other West Asiatic imitations of Alexander's silver tetradrachms, dating from the third and second centuries, B.C., has long been recognised, but that late imitations of the gold Philippi were issued at cities of Asia Minor concurrently with the silver Alexandrine tetradrachms is now for the first time revealed.

Caria.—A tetradrachm of Hekatomnus, the father of Mausolus, Satrap of Caria. The only other known specimen of this coinage is in the Royal Coin-cabinet at Berlin. It was first published by the late M. Waddington (*Revue Numismatique,* 1856, p. 60). On the *obverse,* is a lion and the inscription **ΕΚΑΤΟΜ**; and, on the *reverse,* a standing figure of the Carian Zeus Labraundos, carrying a double-axe (Labrys) over his shoulder, and resting upon a long spear. This coin was struck by Hekatomnus between B.C. 395 and 377 at the city of Mylasa, the original residence of the Satraps of Caria.

Chalcetor (?) *in Caria.*—A small bronze coin of the fourth century, B.C. The site of this town has been recently identified at the modern *Kara-Koyoun*, a few miles south of Euromus. It is, however, still somewhat doubtful whether the coins belong to Chalcetor, or to the small island of Chalcia off the west coast of Rhodes.

Gordiuteichos in Caria.—A bronze coin probably of the second century B.C. *Obverse*, Head of Zeus; *reverse*, ΓΟΡΔΙΟΤΕΙΧΙΤΩΝ, Cultus-statue of Aphrodite with outstretched arms. One specimen only of this coinage, now in the Löbbecke collection, has been hitherto published (*Zeitschrift für Numismatik*, Bd. xv., p. 45, pl. III. 14). The goddess on the *reverse* is probably the tutelary divinity of the neighbouring city of Aphrodisias.

Hydisus in Caria.—A unique bronze coin of the first century, B.C., having on the *reverse* a bearded standing figure in military costume, perhaps one of the numerous Carian local gods all identified by the Greeks with Zeus, but distinguished by the addition of some local epithet. Hydisus is placed by Kiepert about 25 miles south-east of Alabanda. Neither coins nor inscriptions of this town were previously known.

Plarasa and Aphrodias in Caria.—A silver drachm apparently of the first century, B.C. *Obverse*, Veiled head of Aphrodite; *reverse*, Eagle on thunderbolt and the name of a local magistrate, ΜΥΩΝ ΚΑΛΛΙΠΠΟΥ.

Cos.—A large bronze coin of Nikias, a tyrant of Cos, of whom we know little, except that he ruled the island shortly before the time of Augustus. *Obverse*, a portrait of Nikias.

Lycia.—A new variety of the extremely rare drachm of the Lycian dynast Kheriga (circ. B.C. 410). *Obverse*, Head of Athena; *reverse*, in Lycian characters, *Arinahe* (the native ethnic of Xanthus) and *Kheriga*; type, Athena armed with spear and shield, and seated on a rock. The name of the Lycian dynast who struck this coin occurs also on the great stele of Xanthus.

Phaselis in Lycia.—A very interesting silver stater dating from the second century B.C. *Obverse*, Head of Apollo; *reverse*, Letter Φ, Athena with thunderbolt and aegis, standing on the prow of a ship, beneath which is a magistrate's name.

Aspendus in Pamphylia.—Five silver staters impressed with countermarks, probably those of bankers, in the fourth century B.C.

Cilicia.—

Cilicia.—Four silver staters of the Persian Satraps of Cilicia, Datames, B.C. 378–372, and Mazaeus, B.C. 362–328.

Cappadocia.—Twenty-three drachms of Ariarathes IV., B.C. 220–163, and later Cappadocian kings, bearing various rare dates and monograms.

Cappadocia.—A drachm of Ariarathes IX., B.C. 100–87. Struck in the ninth year of his reign.

Arabia.—Thirteen silver Himyarite coins from the famous hoard discovered at San'á in 1877 (B. V. Head, *Num. Chron.* 1878, pp. 273–284, and 1880, pp. 303–310). No coins of this class were known before the San'á find, and none have since come to light. These coins together form a highly interesting series of the money of the Himyarite kings of Southern Arabia (Yemen) during the first century B.C. The heads represented on the earlier specimens are probably copied from those on the coins of the contemporary Nabathaean kings of Northern Arabia, and those on the later varieties from the Roman coins of Augustus. The *reverse* type, owl on amphora, is borrowed from the latest Athenian coinage in silver, which came to an end in B.C. 88. All these coins bear Himyarite monograms, apparently signatures of mint officials responsible for the exact weight and purity of the silver. In addition, the specimens which seem to be the earliest in date bear also an inscription in an unknown character which is certainly not Himyaritic, and of which, up to the present time, no satisfactory explanation has been suggested. (See *Revue Numismatique*, 1893, pp. 176–189).

Arabia.—A small silver coin of the Himyarite dynasty of Southern Arabia reading, in the native character, Amdan Jehun Yanaf Raidan.

(*c.*) Coins of Imperial Times. Augustus to Gallienus and Salonina.

Ephesus in Ionia.—Bronze of Severus Alexander; *reverse*, **ΕΦΕCΙΩΝ ΜΟΝΩΝ ΠΡΩΤΩΝ ACIAC**, city goddess seated, resting on long torch and holding out two shorter torches to the cultus-statue of the Ephesian Artemis. A new type and a fine specimen.

Mylasa in Caria.—Bronze of Caracalla; *reverse*. Zeus standing, holding patera and sceptre, with a stag at his feet, doubtless the local Zeus of one of the villages belonging to the territory of Mylasa.

Tabae in Caria.—Bronze of the time of Domitian; *obverse*, bust of the city goddess of Tabae, with polos or kalathos upon her head; *reverse*, **ΔΙΑ ΟΡ** [*θρίου*] **ΙΕ** [*ρωνος*], altar of the Dioskuri.

Tralles in Lydia. — Bronze of Domitian; *reverse*, ΚΑΙCΑΡΕΩΝ ΛΑΡΑCΙΟC. Zeus Larasios seated. The epithet is probably derived from the name of some neighbouring village. Tralles from the time of Augustus to that of Domitian bore the name of Cæsarea.

Metropolis in Phrygia.—Bronze of Herennius Etruscus, bearing on the *reverse* the name of a magistrate with title, πρῶτος ἄρχων, and a figure of the Ephesian Artemis.

Synnada and Hierapolis in Phrygia.—An alliance coin of the time of L. Verus. *Reverse*, ΣΥΝΝΑΔΕΩΝ ΙΕΡΑΠΟ-ΛΙΤΩΝ ΟΜΟΝΟΙΑ. The gods of the two cities, Apollo and Zeus, face to face. A coin of the highest rarity.

Arycanda, Cyane, Limyra, and Olympus in Lycia.—Four bronze coins of the time of Gordian. The divinity on horseback on the coin of Arycanda is a strange combination of Herakles, Helios, and, perhaps, Ares. In some of his attributes he resembles the Phrygian and Carian god Sôzôn.

Amblada in Pisidia. — Bronze of Geta; *reverse*; ΑΜΒΛΑΔΕΩΝ ΛΑΚΕΔΑΙΜΟΝΙΩΝ warlike divinity. In field, trident and urn. Legend, ΦΙΛΑΡΤΕΜΙΔ[ΟC ?]. Unique.

Codrula in Pisidia — Bronze of Caracalla; *reverse*, Helen of Troy standing between the Dioskuri with their horses: a type which clearly indicates a Lacedaemonian foundation.

Cestrus in Cilicia. — Bronze of Faustina; of this town, which is mentioned only by Ptolemy (V. 8. 5), only one other coin is known (*Zeitschrift für Numismatik* XVII. 14).

Coropissus in Cilicia.—Bronze of Valerian; *reverse*, ΚΟΡΟΠΕΙCCΕΩΝ ΤΗC [ΚΗΤΩΝ ΜΗΤΡΟΠΟ], Perseus and Andromeda standing face to face with hands joined and a dead sea monster (κῆτος) at the feet of Perseus: extremely rare (*Zeit. f. Num.* XIII. 73).

Caesarea in Cappadocia.—Twenty-nine Imperial silver coins and a series of bronze coins exhibiting many new varieties of the type representing the famous volcano, Mount Argaeus, at the foot of which the city stood.

Antiochia in Syria.—A series of silver and bronze coins comprising many finely preserved tetradrachms, including an excellent example of the one with the portraits of Antony and Cleopatra.

2. *Roman Series:*—

An unpublished *aureus* of Marcus Aurelius; *reverse*, Victory turreted, holding a garland. Struck A.D. 166, on the occasion of the triumph of Aurelius and Verus after their victories

victories in Asia. From the hoard found on the Aventine Hill in 1894.

Two finely-preserved *aurei* of L. Verus from the Aventine hoard, one, with the *reverse*, Victory inscribing a shield, the other commemorating the restoration of Soaemus to the throne of Armenia in A.D. 164.

An *aureus* of Sept. Severus; *reverse*, Fides holding figure of Victory and standard.

An unpublished *aureus* of Gallienus commemorating the celebration of the Decennalia.

A *half-aureus* of Probus; *reverse*, Mars Ultor. A denomination of the coins of Probus new to the Museum collection.

A *solidus* of Diocletian, struck at Thessalonica, and a similar coin of Maximianus Herculeus, both commemorating the celebration at Rome of the Vicennalia on 20th November, A.D. 303.

32 bronze coins of Carausius, from a hoard lately discovered near Croydon. *Presented by Thomas Rigby, Esq.*

39 counterfeits of Republican and Imperial *aurei*, struck in gold from the dies made early in the present century by Becker, the skilful German forger of antique coins. *Bequeathed by the late Hyman Montagu, Esq.*, F.S.A.

3. *English Series*:—

19 pennies of Aethelstan, Eadmund, &c., from a hoard discovered at Douglas, Isle of Man.

3 pennies of Aethelred II. (Lincoln and York), and Cnut (Bath), and a penny of Harold I., struck at Lincoln, by the moneyer Oslac. *Presented by Sir John Evans*, K.C.B.

A penny of Harold I., struck in London, and bearing the names of two moneyers ("Godric" and "Calic"), an unusual feature.

A penny of Henry I., full-face type, struck at Ipswich.

A penny of Stephen, struck at Warwick, a mint not previously represented in the Museum series of the coins of this king.

A groat of Henry VII. of the 2nd issue, struck in London, and bearing the rare mint marks, greyhound's head and rose. *Presented by L. A. Lawrence, Esq.*

35 groats of the 3rd, 4th, and 5th coinages of Henry VIII., struck at the mints of London, Bristol, Canterbury, and York, bearing mint marks valuable for determining the chronological sequence of these coinages.

A half-groat of Henry VIII., with bust to right and Latin, instead of Lombardic, letters.

151 silver coins (crowns, half-crowns, shillings, and sixpences, of Elizabeth, James I., and Charles I.), part of the large hoard discovered at East Worlington, Lapford, Devon.

A guinea of Charles II., dated 1680. From the Dorking treasure-trove.

A pewter medal, struck in commemoration of the Congress of the Allies at the Hague in February, 1691. The only other specimen of this medal, described in Hawkins's *Medallic Illustrations*, Vol. II., p. 17, No. 184, is the one in the Gotha Museum.

4. *Mediæval and Modern Series* :—

A rare *denier*, without the regal name, struck at Jerusalem, *circa*. A.D. 1190. *Presented by T. Fenn Clark, Esq.*, M.D.

A selection of 53 gold coins of various European States, purchased at the sale of the great hoard discovered on 19th February, 1894, at Amersfoort, and consisting of money of the 15th and early 16th centuries. The following are the most noteworthy specimens :—*France*. Écu au Porc-épic of Louis XII. and Écu du Dauphiné of Francis I. *Majorca*. Ducat of Charles I. of Spain. *Brabant*. Lion d'or of Philip the Good ; Half-Noble of Maximilian and Philip le Beau ; Florins of Philip le Beau and Charles V. *Flanders*. Florins of Charles the Bold, Maria of Burgundy, Philip le Beau and Charles V. *Holland*. Chaise d'or of Count William IV. ; Lion d'or of Philip the Good, and Half-Nobles of Maximilian, Charles V., &c. *Palatinate*. Florin of Frederick I., Count of East Frisia, struck at Heidelberg ; and another of Philip, Duke of Bavaria. *Baden*. Florin of the Margraf Christopher I. *Cologne, &c*. Florins of the Rhine Provinces and Bonn, struck by Hermann IV. of Hesse, Archbishop ; ducats, struck by the cities of Augsburg and Cologne. *Papal*. Zecchini of Alexander VI., Julius II., and Leo X. *Ferrara*. Florin of Hercules I. d'Este.

A gold 1 gramme piece of Tierra del Fuego ; two silver two-real pieces (of the type of the Spanish coins), dated 1741 and 1761, said to have been struck by the Jews for circulation in Argentina and Bolivia. *Presented by S. L. Woolmer, Esq.*

A 640 reis piece (1804) and an 80 reis piece (1787) of Maria I. of Portugal ; four 960 reis pieces of John VI. of Portugal, dated 1812, 1816 (2), 1819, struck on Spanish "pillar" dollars ; a 2,000 reis piece (1888), and a 100 reis piece (1834), struck by Peter II. of Brazil. *Presented by John Gordon, Esq.*

A Dutch marriage medal and a German marriage medal, both silver, of the 16th century ; a silver medal commemorating

rating the installation of William IV., Prince of Orange, as Marquess of Veere and Vlissingen. *Presented by Stanley Shapland, Esq.*

5. *Oriental Series:—*

Ten countermarked sigli of the Achaemenid dynasty of Persia.

A gold coin of great rarity, struck by the Sassanian monarch Varahran VI.

A series of 3 gold and 41 silver coins of the Sheybánee dynasty of Transoxiana, bearing rulers' names, mints, and dates new to the Museum collection.

Three silver Indian coins of the Moghul Emperors, Shah Jahan and Aurangzib.

Presented by the Bombay Branch of the Royal Asiatic Society.

Eighteen copper coins of the following Sultans of Dehli, Ala-ud-din Muhammad Shah I., Kutb-ud-din Mubarak Shah, Taghlak Shah I., and Muhammad II. ibn Taghlak.

Presented by the Asiatic Society of Bengal.

Eight gold, 14 silver, and 46 copper coins of India, belonging to the following classes: ancient punch-marked, Moghul, Mālwā, and East India Company.

Presented by the Asiatic Society of Bengal.

Ten lead coins of Mombasa, and 9 of Seyid ibn Barghash of Zanzibar, the Imperial British East Africa Company, and the German East Africa Company.

Presented by Sir John Kirk, G.C.M.G.

Two gold punch-marked coins of Southern India, one inscribed Jagadeva, and the other uninscribed.

Presented by E. A. Elliot, Esq.

V.—*Students and Visitors.*

The number of students and visitors to the Department of Coins and Medals during the year 1895 was 2,516.

Barclay V. Head.

X.—British Museum (Natural History).

STATEMENT of Progress made in the Arrangement and Description of the Collections, and Account of Objects added to them, in the Year 1895.

General.

Visitors.

The number of visitors to the Natural History Museum during the past year reached a total of 446,737 persons, giving an average attendance on open days of 1,436 persons, and showing an excess of more than 33,000 over the total in 1894. This is the largest attendance recorded in any one year since the opening of the Museum to the public on April 18th, 1881.

Swiney Lectures.

The use of the lecture-theatre at the South Kensington Museum was again granted, by the kindness of the Lords of the Committee of Council on Education, for the delivery of the annual course of lectures on Geology on the Swiney Foundation. The lectures, 12 in number, were delivered by Dr. J. G. Garson in October, the subject being "The Geological History of Man." They were attended by a total of 2,736 persons, or an average of 228 at each lecture.

The Trustees have appointed Dr. R. H. Traquair lecturer for the three years 1896–98.

In consequence of the difficulty experienced in obtaining candidates for the Lectureship, representations were made last year to the Scottish Universities Commission, then sitting, with the view of widening the qualifications, the terms of Dr. Swiney's will restricting the appointment to Doctors of Medicine of the University of Edinburgh. An Ordinance, concurred in by the Trustees, has since been issued by the Commissioners and submitted to Parliament, by which it has been made competent for the Trustees to appoint to the Swiney Lectureship any graduate in any Faculty in the University of Edinburgh who has obtained his degree after examination.

New Whale Room.

The Lords Commissioners of Her Majesty's Treasury having authorised provision being made in the financial year 1895–96 for the proposed new room for the exhibition of Whale skeletons, allusion to which was made in a former Report, the erection was commenced, early in the autumn, of a temporary iron building, 120 feet long and 45 feet wide, situated at the rear of the north-west corner of the main structure. The building will shortly be ready for the reception of specimens.

Expedition to the Salvages.

In the early summer Mr. W. R. Ogilvie Grant, an Assistant in the Zoological Department, received special leave of absence to enable him to visit the Salvage Islands, a group of small uninhabited islets north of the Canaries, with the object of making a collection of specimens of their fauna and flora.

The collections brought home by Mr. Grant, the details of which will be found in the Departmental Reports, were of considerable interest, and included a fine series of Bird-skins, mostly Petrels.

Mr. Grant was accompanied on his expedition by the Hon. Cecil Baring, who very materially aided him in obtaining the specimens.

Expedition to the Amazon.

Messrs. Siemens, Bros., and Co., Limited, having kindly offered a free passage out and home to a Museum officer on board their cable-ship "Faraday," which they were sending on a cable-laying expedition up the Amazon as far as Manaos, the Trustees have deputed Mr. E. E. Austen, an Assistant in the Zoological Department, to accompany the expedition with the view of obtaining specimens for the Museum. It is expected that collections of considerable scientific interest will be brought home by Mr. Austen.

Presents.

The total number of separate presents reported as received in the Museum during the year amounts to 1,225, many of them comprising a large number of specimens. The details of all the more important of these will be found in the Reports of the Keepers of the several Departments, but the following are mentioned here also as being of special interest:—

From H. R. H. the Prince of Wales.—Two Little Auks (*Mergulus alle*), obtained at Sandringham.

From the Hon. L. Walter Rothschild.—A long-haired Leopard, from Amur Bay, Eastern Siberia; and a series of 169 mounted specimens of Humming Birds collected by Mr. O. T. Baron.

From Eugene W. Oates, Esq.—A collection of Burmese Spiders, comprising 310 species, of which 153 are types, and forming the material upon which is based the "Catalogue of the Spiders of Burma," prepared by Professor Thorell (*see* below).

From G. H. Verrall, Esq.—An important series of Diptera, including 297 named British specimens, and 229 exotic specimens of the family *Syrphidæ* from the collection of the late Monsieur J. F. Bigot.

From J. B. Goodall, Esq.—A large series of preparations of the heads and jaws of horses, of various known ages.

From Abel Chapman, Esq.—Three Great Bustards (*Otis tarda*), from Andalucia.

From W. Saville Kent, Esq.—Various consignments of Corals collected on the Western and Northern shores of Australia.

From the Smithsonian Institution, Washington.—Beautifully executed coloured casts of eight Reptiles, a Frog, and a Fish.

From the Joint Committee of the Royal Society and British Association for investigating the Fauna of the Sandwich Islands.—A valuable series of 175 Birds'-skins, including 27 species and 5 genera new to the Museum collection.

From Mrs. Hulke.—The valuable collection of Fossil Reptilian remains, &c., formed by her husband, the late Mr. J. W. Hulke, F.R.S.

From Professor H. G. Seeley, F.R.S.—Fossil remains from the Karoo formation of South Africa, including the skull and skeleton of *Cynosuchus craterodon*, and two skulls and a humerus of *Gomphognathus polyphagus*.

From Mrs. Hassall.—The collection of 883 specimens of Fresh-water Algæ which belonged to her husband, the late Dr. Arthur Hill Hassall.

From Arthur Lister, Esq.—The specimens and drawings illustrating the new Guide to the British Mycetozoa (*see* below).

From Henry Wheeler and Edwin Wheeler, Esqrs.—A very valuable series of drawings of Fungi, about 2,449 in number, made by Mr. Edwin Wheeler in illustration of the British Fungus Flora, between the years 1880 and 1895.

From Dr. A. Donaldson Smith.—Portions of the Natural History collections made by him during his recent expedition through

through Somaliland to Lake Rudolph, including the type specimens of 24 new species of birds, a skin and skull of the African Hunting Dog (*Lycaon pictus*), a new shrew, 9 new species of Reptiles and Batrachians, the types of the new species of Arachnida and Myriopoda discovered, and a fine collection of plants.

From the Surgeon-General, U.S. Army, Washington.—The "Index Catalogue of the Library of the Surgeon-General's Office" (16 volumes quarto), a very valuable bibliography of the medical library of that Department.

Exchanges.

The coloured cast of the original restoration of the entire skeleton of *Ignanodon Bernissartensis*, a gigantic extinct reptile, obtained last year by exchange with the Brussels Museum, has been mounted and set up in the gallery of Fossil Reptiles.

Exchanges of specimens have been made with the undermentioned institutions and individuals:—

Of zoological specimens.—With the Berlin Museum; the Zoological Museum, Christiania; the Senckenberg Museum, Frankfort-on-the-Main; the Para Museum; Mons. René Oberthur; Mons. E. L. Ragonot; and the Hon. L. Walter Rothschild.

Of fossils and casts of fossils.—With the South African Museum, Cape Town; the Albany Museum, Grahamstown; the Senckenberg Museum, Frankfort-on-the-Main; Professor A. Bigot, of Caen University; and Professor L. Rütimeyer.

Of minerals.—With Mr. A. Hamberg.

Of botanical specimens.—With Mrs. Tindall, and Dr. Schlechter.

Duplicates.

The Norwich Castle Museum and the De La Salle Training College, Waterford, have been placed on the list of provincial institutions to receive grants of duplicate specimens of natural history.

Grants of duplicate zoological specimens have been made to the Museums of Sheffield, Derby, Nottingham, Manchester (Owens College), Ipswich, Bristol, Brighton, and Lisbon; to the Royal College of Science, London; to the Museums of Science and Art at Edinburgh and Dublin; and to the Hartley Institution, Southampton.

Duplicate fossils have been presented to the Manchester Museum (Owens College), the Queen's Faculty of Medicine at

the Mason College, Birmingham; the Birkbeck Literary and Scientific Institution; the Bristol Museum; and to Professor J. W. Judd, of the Royal College of Science.

Selections of duplicate minerals have been granted to the Europa Garrison Schools, Gibraltar; to the Wheelwright Grammar School, Dewsbury; and to Professor Norman Lockyer, C.B., F.R.S.

Segments cut from the surface of the great *Sequoia* section have been sent to the Botanic Garden, Edinburgh; the Royal College of Science, Dublin; the Royal Indian Engineering College, Cooper's Hill; and the Museums at Liverpool, Berlin, Brussels, Paris, and Strasburg, in addition to the institutions mentioned in the last report.

Duplicate plants have been presented to the Botanical Museum of University College, London, and to the Botanic Garden, Calcutta; and duplicate copies of certain botanical works, not required for the Museum, have been handed over to the Directors of the Botanic Gardens at Jamaica and Singapore.

Publications.

The undermentioned Catalogues have been published during the year :—

Catalogue of the Birds in the British Museum :—Vol. XXVII. Catalogue of the Chenomorphæ (Palamedeæ, Phœnicopteri, Anseres), Crypturi, and Ratitæ in the Collection of the British Museum. By Count T. Salvadori. Pp. xv., 636 : 19 coloured plates. 8vo. 32*s*.

Catalogue of the Fishes in the British Museum. Second Edition. Vol I. Catalogue of the Perciform Fishes. Vol. I. Containing the Centrarchidæ, Percidæ, and Serranidæ (part). By G. A. Boulenger, F.R.S. Pp. xix., 394 : woodcuts, and 15 plates. 8vo. 15*s*.

Descriptive Catalogue of the Spiders of Burma, based upon the collection made by Eugene W. Oates, and preserved in the British Museum. By T. Thorell. Pp. xxxvi., 406. 8vo. 10*s*. 6*d*.

Catalogue of the Fossil Fishes in the British Museum (Natural History). Part III. Containing the Actinopterygian Teleostomi of the Orders Chondrostei (concluded), Protospondyli, Aetheospondyli, and Isospondyli (in part). By Arthur Smith Woodward. Pp. xlii., 544 : 45 woodcuts and 18 plates. 8vo. 21*s*.

Catalogue of the Mesozoic Plants in the Department of Geology, British Museum (Natural History). The Wealden Flora, Part II., Gymnospermæ. By A. C. Seward. Pp. viii., 259 : 9 woodcuts and 20 plates. 8vo. 15*s*.

The

The following new Guide-books have been published :—

Guide to the British Mycetozoa exhibited in the Department of Botany, British Museum (Natural History). By Arthur Lister. Pp. 42 : 44 woodcuts. 8vo. 3*d*.

An Introduction to the Study of Rocks. By L. Fletcher, F.R.S. Pp. 118 : 1 plan. 8vo. 6*d*.

Copies of all these works have been distributed among numerous Free Libraries and other institutions in Great Britain and Ireland; they have also been presented to many Indian, Colonial, and Foreign Libraries and Museums, and to various individuals who have either assisted in the preparation of the Catalogues or been benefactors to the Museum.

New editions have been issued of the "General Guide" (80 pp., 2 plans, 2 views, 8vo., price 3*d*.), the "Guide to the Mineral Gallery" (32 pp., 1 plan, 8vo. price 1*d*.); the "Student's Index to the Collection of Minerals" (33 pp., 1 plan, 8vo., price 2*d*.), and the "Introduction to the Study of Minerals" (123 pp., 41 woodcuts 1 plan, 8vo., price 6*d*.

Selections of the Natural History publications have been presented to several Institutions and individuals.

Arrangements for exchange of publications have been concluded with several additional Institutions at home and abroad.

The following Catalogues are in preparation :—

A General Catalogue of the Books in the Departmental and General Libraries of the Natural History Museum.

Catalogue of Birds.—Vol. XXIV. (Waders), by Dr. R. Bowdler Sharpe; Vol. XXV. (Gulls and Petrels), by Messrs. H. Saunders and O. Salvin; and Vol. XXVI. (Divers, Pelicans, Cormorants, and Herons), by Dr. R. B. Sharpe.

Catalogue of Snakes, Vol. III., by Mr. G. A. Boulenger.

Catalogue of Stony Corals, Vol. II., by Mr. H. M. Bernard.

Catalogue of British Lichens, Part II., by the Rev. J. Crombie.

Catalogue of the Welwitsch Collection of Tropical African Plants, by Mr. W. P. Hiern.

Catalogue of Fossil Cephalopoda, Part III., by Mr. A. H. Foord.

Catalogue of the Tertiary Mollusca of Australia and New Zealand, by Mr. G. F. Harris.

Catalogue of Jurassic Bryozoa, by Dr. J. W. Gregory.

Catalogue of Fossil Plants of the Wealden, Part III., by Mr. A. C. Seward.

Central Hall.

A second case, illustrating variation under domestication (that of the pigeons being the first) has been added to the series in the entrance hall. This contains two groups, one of the domestic fowl, in which the wild original form, the common jungle fowl of India, is shown together with the two most remarkable deviations from the normal condition in opposite directions, produced by careful selective breeding; the Japanese long-tailed fowls, in which some of the feathers (the coverts) are upwards of nine feet in length, and fowls without any trace of tail, even the bones being absent. The birds of the latter race exhibited are from Holland, having been presented by Herr A. J. Bicker Caarten. The second group illustrates by prize specimens the changes that have taken place in the canary bird since its first introduction from its native islands nearly 400 years ago. The group of wild birds exhibited were obtained in Madeira by Mr. W. R. Ogilvie Grant in April last. For assistance in procuring the domestic birds, the Museum is greatly indebted to Mr. W. H. Betts, Honorary Secretary of the Bird Cage Club.

General Library.

The additions to the General Library during the past year have been:—

By purchase - - -	569 volumes.
By donation - - -	382 volumes and 39 maps.
By transference from other Departments - -	11 volumes.
Total - -	962 volumes and 39 maps.

All these works have been catalogued, press-marked, and placed on the shelves.

The extent of this collection on the 31st of December was 24,445 volumes and 3,778 maps.

Accessions to the Departmental Libraries have been catalogued, so that :—

689 title-slips have been prepared and revised for the Botanical Library,

439 for the Geological Library,

183 for the Mineralogical Library, and

353 for the Zoological Library.

1,664 - - TOTAL.

The revision of the headings and cross-references on the title-slips, to bring them into uniformity, has been proceeded with, and 24,127 slips have been dealt with, making a total, with last year's, of 57,935. This work is now nearly completed.

The number of students and visitors making use of the Library during the year was 505.

W. H. Flower,
Director.

British Museum (Natural History),
31 March 1896.

Department of Zoology.

I.—*Arrangement and Conservation.*

The usual precautions have been taken for the preservation of the collection. All acquisitions have been registered and entered in the Catalogues and manuscript lists, and finally incorporated with the collection.

Mammalia.—As a result of the rapid growth of the Zoological Collection since its transference from Bloomsbury, it has become necessary to convert the pavilion at the end of the Osteological Gallery into a store-room for the reception of the study collection of large mammals, which has been crowded out from its place in the basement by the increasing requirements of the Entomological Section. The cases in which this series was stored have, therefore, been transferred from the basement to the Osteological Saloon. They are now arranged in four blocks of one tier each, which, with the addition of some new cases, will allow room for the re-arrangement and extension, which the congested condition of most of the groups required. Space has been also provided for future additions.

These alterations entailed the removal of the large skeletons which had been exhibited in the pavilion. Some are now in the public Osteological Gallery, while three—an elephant, a rhinoceros and a musk-ox—have been transferred to the Geological Department for exhibition together with the extinct forms.

It is expected that the temporary iron-building intended for the exhibition of the Cetacea, and which is now almost ready for the reception of this collection, will shortly be handed over to the Trustees by the Office of Works.

Upwards of sixty blocks for mounting the horns of the Ruminant Mammalia have been prepared, and the names of the specimens, localities, donors, &c., written upon them.

Of the more important objects which have been mounted for exhibition the following may be mentioned:—

A common Gazelle (*Gazella dorcas*) and an Aoudad (*Ammotragus tragelaphus*), both from near Biskra in Algeria; a Loder's Gazelle (*Gazella loderi*) from the Tunisian Sahara; and a specimen of *Cervicapra bohor* from East Africa.

Aves:—The collection of skeletons of Birds has been removed from the studies in the basement to the north-west corridor, and has been temporarily arranged in systematic

systematic order on racks, preparatory to the final classification and arrangement in proper cabinets and boxes in juxtaposition with collection of skins of the same class.

The collection of Ducks has been arranged and labelled in accordance with the Catalogue of Birds prepared by Count Salvadori; the Petrels have been catalogued and arranged by Mr. Osbert Salvin, F.R.S.; and the Gulls and Terns by Mr. Howard Saunders.

The Herons have also been catalogued and arranged, and the whole of the Plovers and Sandpipers catalogued and placed in glass-topped boxes.

A group illustrating the "showing-off" of the male of the Great Bustard (*Otis tarda*) has been mounted; the specimens having been presented by Abel Chapman, Esq.

A group illustrating the nesting habits of the Pied Hornbill of South Africa has also been mounted, with a section of the tree in which the female was imprisoned by the male bird.

The Godwin-Austen Collection and the Shelley Collection have been registered and incorporated in the cabinet series of skins.

Reptiles, Batrachians and Fishes.—Among the mounted specimens added to the exhibited collection may be mentioned:—

A large Indian Monitor (*Varanus salvator*); a gigantic Sea perch (*Epinephelus lanceolatus*) from Aden; a large Sea-perch (*Epinephelus venadorum*) from West Mexico; a large Tunny (*Thynnus vulgaris*) from Plymouth. Additions have also been made to the case containing the Batrachians, which is now placed in the passage between the Bird and Fish Galleries.

Mollusca.—The collections of Land and Freshwater Shells collected by Mr. H. H. Smith, in St. Vincent, Grenada, and the Grenadines, under the auspices of the West India Committee of the Royal Society and the British Association have been worked out, and reported on. This work has necessitated the examination and identification of the terrestrial and fluviatile mollusca of several of the adjacent islands of the Lesser Antilles.

An important series of deep-sea Molluscs from the Bay of Bengal and the Arabian Sea has also been named and described, and small series from Kolguev Island, Central Africa, and New Guinea have been identified. The species of the genera *Clea, Nassodonta, Niso, Amphidromus,* and *Heterodonax* have been critically examined and determined. With the exception of a selection which has been mounted for exhibition in the table-cases, all the acquisitions have been mounted in glass-topped boxes.

A very fine example of the rare *Pleurotomaria adansoniana*, and a Ceylonese pearl-oyster (*Meleagrina furcata*), with pearls *in situ* in the soft parts, have been placed on exhibition.

Crustacea.—The manuscript catalogue of Cancroid Crabs, which was begun last year, has been completed; and one of the Grapsoidea has been commenced, the families *Pinnotheridæ* and *Gecarcinidæ* being already finished.

Arachnida.—The Spiders of the sub-order Mygalemorphæ have been identified and a complete catalogue of all the described species has been prepared, and a similar catalogue of the family *Heteropodidæ* has been commenced. A large part of the important collection of Burmese spiders presented by Mr. E. W. Oates has been registered and incorporated. The Ticks of the family *Argasidæ* have been worked out in connection with various accessions to the group which required identification.

Myriopoda.—Various accessions in the Myriopoda have been examined and determined, and reports have been written upon the Chilopoda of Central America, and upon the Chilopoda and Diplopoda obtained by the officers of H.M.S. "Penguin" during her cruise in the Chinese Seas.

Insecta.—Several small collections of Insects of various orders, such as Dr. Anderson's, from Hadramaut, Arabia; Mr. Cator's from Borneo; Mr. E. Ernest Green's from Ceylon; and Mr. Scott Elliot's from Ruwenzori, and Mr. Fabrega's from Costa Rica, have been examined, and in large part determined and incorporated.

A number of specimens of *Cetoniidæ* from the Pascoe collection have been incorporated with the general collection.

The re-arrangement of the Coleoptera of the family *Eumolpidæ* and the incorporation of specimens belonging to this family contained in various accessions have been commenced.

The Longicornia of the sub-family *Clytinæ* contained in the Pascoe Collection have been incorporated with the general collection; and a number of Longicorns from Penang and elsewhere, which were contained in small boxes forming part of the Pascoe collection have also been incorporated.

A number of species of the genus *Glenea* have been carefully compared with Thomson's types, which were lent for the purpose by M. René Oberthür.

The collection of nests of social wasps has been carefully examined, specimens extracted from them, and the species determined. All the nests have been numbered, and the specimens

specimens taken from them marked to correspond. A number of nests have been mounted and placed in a table-case to illustrate the different methods of building.

The Butterflies of the sub-families *Acræinæ* and *Elymniinæ*, as well as of the genera *Neptis, Athyma, Charaxes, Euralia, Hypolimnas, Cyrestis, Terinos, Cethosia, Cupha, Atella* and *Cirrochroa* have been re-arranged; the specimens of Old World species from the magnificent collection of Messrs. Salvin and Godman, as well as all previously unnamed series in the Museum, being determined and incorporated.

Four collections received from British and East Central Africa, obtained by Messrs. A. Whyte, Alexander Carson, Consul Alfred Sharpe and Mr. Scott Elliott have been worked out, reported on, and incorporated.

The inter-leaved Catalogue of Butterflies has been brought up to date, so far as the re-arranged parts of the collection are concerned, and the preparation of a Slip Catalogue of the sub-family *Pierinæ*, with a view to the re-arrangement of this large group, commenced.

A series of Butterflies has been prepared and placed in a table-case, with explanatory labels and drawings illustrating the characters used in their classification.

The determination and bibliography of Walker's types has been continued.

The duplicate and unincorporated *Heterocera* have been placed in their families, and the following collections have been incorporated :—

The Moore collection of *Geometridæ*, and other specimens remaining over after Mr. Warren's arrangement; the Moore and Ragonot collection of *Pyralidæ* belonging to the sub-families *Phycitinæ, Anerastinæ* and *Galleriinæ* and other specimens; several collections of *Heterocera* from the Oriental region; the *Thyrididæ* and seven sub-families of the *Pyralidæ* have been arranged; Colonel Yerbury's collection of *Heterocera* from Aden; and the *Geometridæ, Pyralidæ* and allied families of *Heterocera* of the collection from the Lesser Antilles presented by the West Indian Exploration Committee have been worked out and incorporated.

Continuous progress has been made in perfecting the new collection of British Diptera; the British *Muscinæ* having been identified, labelled and entirely re-arranged.

Numerous accessions belonging to the *Œstridæ, Hippoboscidæ, Syrphidæ* and *Conopidæ* have been studied, mounted, labelled and incorporated.

The species of *Glossina* (the Tsetze flies) have been examined, named and mounted.

The interesting genus *Cuteterebra* has been worked out and, with its allies, made the subject of a paper; and the arrangement of the sub-family *Cutiterebrinæ* has been completed.

The collection of *Phasmidæ* has been revised and most of the new species described; and a working catalogue of the *Locustidæ*, preparatory to the re-arrangement of the family, commenced.

The *Cicadidæ* have also undergone revision.

Anthozoa.—During the preparation of a second volume of the Catalogue of Madreporaria by Mr. H. M. Bernard, all the specimens referred to have been critically studied and determined, and a considerable number of photographs have been taken to illustrate the work.

In the Coral Gallery the cases have been painted and cleaned, and the specimens have been dusted and mended. A series illustrative of the life history of *Fungia* has been set out; specimens showing the characters of *Turbinaria* have been mounted and placed on exhibition, and various labels descriptive of the salient points of these genera have been prepared. The specimens of *Porites*, *Astreopora* and *Alveopora* selected for exhibition have been remounted. A fine *Madrepora* has been added to the splendid series of that genus now in the gallery, and the large collection of corals made by Mr. Saville Kent has been macerated and cleaned.

Spongiida.—Manuscript catalogues of the sub-orders *Choristida* and *Lithistidæ* of the *Spongida Tetractinellida* of the species of the order Carnosa and of the *Monaxonidæ Spintharophora* have been prepared.

II.—*Duplicates.*

Duplicates have been presented to the Museums at Edinburgh, Dublin, Bristol, Brighton and Lisbon, and to the Hartley Institute, Southampton, as follows:—296 skins of Birds; 188 Reptiles; 2 Batrachians; 136 Fishes; 2,295 Shells, and 1,274 Insects; while exchanges were effected with the following Institutions and individuals:—The Indian Museum, Calcutta; the Muséum d'Histoire Naturelle, Paris; the Museum für Naturkunde, Berlin; the Senckenberg Museum, Frankfurt /m.; Herr F. Henkel, Vienna; M. René Oberthür, Rennes; M. E. L. Ragonot, Paris; and Dr. F. Werner, Vienna.

III.—*Departmental Library.*

Sixty-nine separate works in 74 volumes, and 776 new numbers of periodicals, and parts of works in progress obtained by purchase, presentation and exchange, have been added to the Departmental Library; 110 volumes have been bound. The Library now contains 10,036 separate works, represented by

16,238 volumes. All the additions have been entered in the registers, catalogued, stamped, press-marked and placed on the shelves.

IV.—*Publications.*

In addition to the Catalogues published by the Trustees mentioned in the earlier part of the Return, the following are the most important reports or descriptive papers which have been prepared by the staff in connection with the various parts of the collection, especially recent acquisitions, and have been published in scientific journals :—

Mammalia.—"On the Proper Scientific Name of the Weasel"; "The Assogue *(Putorius hibernicus)*, a peculiar British Mammal"; "On a Special Mountain-race of the Plantain Squirrel from Mount Dulit, Sarawak"; "On a new Banded Mungoose from Somaliland"; "On the Brush-tailed Porcupine of Central Africa"; "Description of a new species of *Helictis* from Borneo"; "Description of a new Chinese Squirrel"; "On small Mammals from Nicaragua and Bogota"; "Preliminary Diagnoses of new Mammals from Northern Luzon, collected by Mr. John Whitehead"; "On a new Species of *Eliurus*"; "On some Mammals collected on Fergusson Island, D'Entrecasteaux Group"; "On some Mammals collected by Dr. E. Modigliani in Sipora, Mentawei Islands"; by Oldfield Thomas.

Aves.—"On a collection of Birds made by Dr. Donaldson-Smith during his recent expedition in Western Somaliland"; "On *Micropus nehrkorni*"; a "List of *Paradiseidæ* and *Ptilonorhynchidæ*"; "*Myrmecocichla yerburyi*, sp. n.," by Dr. R. Bowdler Sharpe; "On two new species of Birds from the Owen-Stanley Mountains"; "On the Birds of the Philippine Islands, Part III., The Mountains of the Province of Isabella in the extreme north-east of Luzon, Pls. IV., V.; Part IV., The Province of Albany, south-east Luzon, and the adjacent island Catanduans; Part V., The Highlands of the Province of Lepanto, North Luzon, Pls. XII.–XIV."; "On a new species of Babbler (*Turdinulus guttaticollis*) from the Miri Hills to the North of Assam"; "On a new species of Tit-Babbler (*Proparas austeni*) from the Naga and Manipur Hills"; by W. R. Ogilvie Grant.

Reptilia and Batrachia.—"On the Reptiles and Batrachians obtained by Captain Bottego in Somaliland and Gallaland"; "On the Reptiles and Batrachians collected by Dr. Donaldson Smith in Somaliland and the Galla Country"; "On the Reptiles and Batrachians obtained by Mr. Lort Phillips in Somaliland"; "On the American Box-Tortoises"; "On a collection of Reptiles and Batrachians from Fergusson Island, British New Guinea"; "Descriptions of new or little-known Reptiles from the Niger"; "Descriptions of new

Reptiles and Batrachians from Colombia"; "Descriptions of four new Batrachians from Borneo"; "A Synopsis of the genera and species of Apodal Batrachians"; by G. A. Boulenger.

Pisces.—"List of fresh-water Fishes from Palawan and Balabac"; "Descriptions of new Fishes from the Rio Paraguay"; "Remarks on some Cranial characters of the Salmonoids"; "List of Fishes collected by Dr. Borelli in Paraguay and Argentina," by G. A. Boulenger.

Mollusca.—"Descriptions of new species of Land Shells from New Guinea"; "On a collection of Land-Shells from Sarawak, British North Borneo, Palawan, and other neighbouring Islands"; "Natural History Notes from H. M. Indian Marine Survey Steamer 'Investigator,' Series II., No. 19. Report upon the Mollusca dredged in the Bay of Bengal and the Arabian Sea during the season, 1893–94"; "No. 20, Report upon some Mollusca dredged in the Arabian Sea during the season 1894–95"; "Observations on the genus *Clea* with the description of a new species"; "Notes on *Nassodonta insignis*"; "Descriptions of five new species of land Shells from New Guinea"; "Report upon the Land and Fresh-water Shells collected by Mr. Herbert H. Smith at St. Vincent, Grenada, and other neighbouring Islands"; "On a small collection of Land Shells from Central Africa"; "Notes upon the generic terms *Cassidaria* and *Oniscia*"; "Description of a new species of *Helix* from Burma"; by E. A. Smith.

Arachnida and Myriopoda.—"On the *Arachnida* and *Myriopoda* obtained by Dr. Anderson's collector during Mr. T. Bent's Expedition to the Hadramaut, South Arabia, with a supplement upon the Scorpions obtained by Dr. Anderson in Egypt and the Eastern Soudan"; "Description of new genera and species of Trap-door Spiders belonging to the group *Trionychi*"; "Notes on the identity of some types of *Megalomorphæ* in the collection of the British Museum"; "On a new and natural grouping of some of the Oriental genera of *Megalomorphæ*, with descriptions of new genera and species"; "Description of two new Spiders obtained by Messrs. J. J. Quelch and F. McConnell on the summit of Mount Roraima in Demerara, with a note on the systematic position of the genus *Desis*"; "Notes on some of the *Solifugæ* contained in the collection of the British Museum, with descriptions of new species"; "On the species of *Galeodidæ* inhabiting India and Ceylon"; "Report upon the *Chilopoda* and *Diplopoda* obtained by P. W. Bassett-Smith, Esq., Surgeon, R.N., and J. J. Walker, R.N., during the Cruise in the Chinese Seas of H.M.S. 'Penguin,' under Commander W. U. Moore"; "The *Myriopoda* of Burma, Part IV., Report

Report upon the *Polydesmaideæ* collected by Sig. L. Fea, Mr. E. W. Oates and others"; "Description of a new Suctorial Millipede sent from Trindad by Mr. J. H. Hart, of the Royal Botanical Gardens, Trinidad"; "Description of a new species of *Scolopendra* from the Solomon Islands"; "Descriptions of new genera of *Zephroniidæ*, with brief preliminary diagnoses of some new species"; "*Chilopoda* in the "Biologia Centrali Americana"; by R. I. Pocock.

Insecta.—"Insects collected by Messrs. J. J. Quelch and F. McConnell on the summit of Mount Roraima"; by Chas. O. Waterhouse.

"On the Insects other than Coleoptera obtained by Dr. Anderson's collector during Mr. Bent's Expedition to the Hadramaut, South Arabia"; by W. F. Kirby. "Descriptions of new Coleoptera in the British Museum"; by Chas. O. Waterhouse.

"On the Longicorn Coleoptera of the West Indian Islands"; "On the Coleoptera obtained by Dr. J. Anderson's collector during Mr. Bent's Expedition to the Hadramaut, South Arabia"; "Note on the genus *Goniopleura*, Westwood, with the description of a new Species"; *Vesperoctenus*, Bates, and its systematic position"; by C. J. Gahan.

"On collections of Lepidoptera from British Central Africa and Lake Tanganyika"; "On a small collection of Butterflies sent by Mr. Richard Crawshay from the country west of Lake Nyasa"; "Notes on Seasonal Dimorphism in certain African Butterflies"; "Notes on the synonymy of Noctuid Moths"; by Dr. A. G. Butler.

"Classification of the *Crambinæ* and *Schænobiinæ*, subfamilies of *Pyralidæ*" (will appear in the April part of the "Proceedings of the Zoological Society of London)." "The *Geometridæ*, *Pyralidæ* and allied families of Heterocera, of the collection from the Lesser Antilles"; by G. F. Hampson.

"On the species of the genus *Cutiterebra* and its allies (Family *Œstridæ*) in the collection of the British Museum; with descriptions of a new Genus and three new Species: "Further notes on *Cutiterebra*: on the Identity of certain species described by the late Bracy Clark" by E. E. Austen.

"Observations on the supposed semi-aquatic Phasmid *Cotylostoma dipneuticum*, Wood-Mason"; by Chas. O. Waterhouse.

Anthozoa.—"On the variation observed in large masses of Turbinaria"; by F. J. Bell.

Also "An Expedition to the Salvage Islands"; by W. R. Ogilvie Grant.

V.—*Acquisitions.*

During the past year the Department has been increased by the addition of 48,600 specimens, which are distributed among the various branches as follows :—

	By Presentation.	By Purchase.	By Exchange.	TOTAL.
Mammalia	854	136	16	1,006
Aves — Godman and Salvin Collections	202	—	—	10,561
Aves — Shelley Collection	—	2,701	—	
Aves — Godwin-Austen Collection	—	4,323	—	
Aves — Other sources	2,485	832	18	
Reptilia	792	599	57	1,448
Batrachia	378	268	24	670
Pisces	333	940	16	1,289
Mollusca	1,733	1,038	4	2,775
Crustacea	116	49	171	336
Arachnida	2,039	263	—	2,302
Myriopoda	208	71	—	279
Insecta — Moore Collection	—	10,914	—	27,463
Insecta — Godman and Salvin Collections	4,506	—	—	
Insecta — West Indies Exploration Committee	2,696	—		
Insecta — Other sources	7,708	1,256	383	
Vermes	66	9	—	75
Echinodermata	40	9	—	49
Anthozoa	253	3	—	256
Hydrozoa	22	11	—	33
Spongiida	32	26	—	58
TOTAL	24,463	23,448	689	48,600

as compared with 54,957 in the year 1894.

130,185	„	1893.
76,011	„	1892.
48,771	„	1891.
77,658	„	1890.
69,270	„	1889.
44,087	„	1888.
65,199	„	1887.
36,358	„	1886.

Mammalia.—The additions to this class during the year were one thousand and six, ninety-four being types or typical specimens. Some of the most important are :—

A cast of the type skull of *Cervicapra chanleri ;* presented by Messrs. R. Ward & Co.

The type specimen of a Rodent (*Sciuropterus aurantiacus ;* received in exchange from the Wurzburg Museum.

The skin and skull of a Burchell's Zebra (*E. burchelli*) ; presented by R. Crawshay Esq.

The skin and skull of a Seal (*Phoca fœtida*), from Finland ; presented by Norman Douglas, Esq.

One hundred and four Mammals, including many Rodents, from various localities, chiefly Belgium, Germany and Spain ; presented by Lord Lilford.

Five specimens in alcohol from North-west Spain ; presented by Dr. V. L. Seoane.

A series of seven Stoats from Italy ; presented by J. J. S. Whitaker, Esq.

A stuffed specimen of a Moufflon (*Ovis musimon*) from the Genargentu Range, Central Sardinia ; presented by G. F. Barclay, Esq.

Fourteen Rodents from Great Salvage Island ; presented by W. R. Ogilvie Grant, Esq.

A set of fifty-six small Mammals, mostly of the genus *Sorex* from America, and containing many typical specimens ; presented by the United States Department of Agriculture, through Dr. C. Hart Merriam.

Eight skins from Trinidad, comprising examples of *Holochilus palmipes, Oryzomys brevicauda,* and *Echimys trinitatis ;* presented by H. Caracciolo, Esq.

A series of seventy-two small Mammals from Bogota, containing examples of *Oryzomys princeps, O. childi* and *O. laniger,* new to science ; presented by Oldfield Thomas, Esq.

The type specimen of a new South American Marsupial (*Cœnolestes obscurus*), which represents a family and perhaps a sub-order entirely different from any other now living, and is a surviving representative of some of the fossil marsupials from the Santa Cruz beds of Patagonia ; presented by Oldfield Thomas, Esq.

Two Ruminants (*Ammotragus tragelaphus* and *Gazella dorcas*) from near Biskra, Algeria; presented by Sir Edmund G. Loder, Bart.

A set of twenty specimens containing the type of *Crocidura crossei*, from Asaba, 150 miles up the River Niger; collected and presented by Dr. W. H. Crosse.

Six specimens from Lukoya, Niger; presented by Captain F. D. Lugard.

Nineteen small Mammals of various genera collected at Rondebosch, near Cape Town; presented by F. C. Selous, Esq.

Seventy small Mammals collected at Mazoe, Mashonaland; presented by F. ffolliott Darling, Esq.

Five small Mammals from Salisbury, Mashonaland, containing the type of *Georychus darlingi;* presented by G. A. K. Marshall, Esq.

A small series of Mammals collected at Fort Johnston, Nyasa; presented by Dr. Percy Rendall.

The type specimen of *Anomalurus cinereus* from the Upper Rovuma River, near Lake Nyasa; presented by Canon H. B. Tristram.

A skin and skull of *Cercocebus aterrimus* from Lake Tanganyika, and a series of twenty-three specimens mostly collected in the neighbourhood of Zomba, Nyasa; presented by Sir H. H. Johnston, K.C.B.

Eighteen Mammals collected by G. F. Scott Elliot, Esq., chiefly in Uganda, and at the Albert Edward Nyanza; presented by the collector.

A male example of a *Cervicapra* from E. Africa; presented by Major R. Kenrick.

A valuable collection of eighty-nine specimens collected chiefly in Aden, and presented by Colonel J. W. Yerbury. There are several new species among them, notably specimens of *Gerbillus famulus, G. pœcilops, G. lixa,* and *Meriones rex.*

The horn of *Cervus* (*Dama*) *mesopotamicus*, a co-type of the species from Persia; presented by Sir Douglas Brooke.

An interesting series of specimens containing examples of *Platacanthomys lasiurus*, from Travancore; presented by H. S. Ferguson, Esq.

Five Mammals obtained chiefly near Benares; presented by Lieutenant S. S. Flower.

Seven Rodents from Assam; presented by Colonel H. H. Godwin Austen.

Three Ruminants from Nort-west Attai; presented by Major C. S. Cumberland.

Five specimens, including the type of *Helictis everetti*, collected by A. Everett, Esq., at Mount Kina Balu and North Borneo; purchased.

A most valuable collection of forty-two specimens collected by

by John Whitehead, Esq., at Mount Kina Balu and North Borneo; there are many types among them, viz., that of *Sciurus jentinki*, *Nanosciurus whiteheadi*, *Mus infraluteus* and *M. caluensis*, *M. sabanus*, *M. alticola*, *M. whiteheadi*, and *Chiropodomys pusillus*; presented by Oldfield Thomas, Esq.

The skeleton of a very interesting White Porpoise of the genus *Lagenorhynchus* from the Lubang River, Coast of Baram, Sarawak; obtained by Charles E. Hose, Esq.

Two specimens from Baram; presented by Charles E. Hose, Esq.

A set of twenty-five specimens, principally Rodents, collected chiefly in Luzon, by John Whitehead, Esq., comprising the types of *Mus luzonicus*, *Carpomys melanurus* and *C. phœurus*, *Rhynchomys soricoides* and *Chrotomys whiteheadi*; presented by the Subscribers to the Whitehead Exploration Fund.

Fourteen Mammals collected in Fergusson Island, one of the D'Entrecasteaux Group; these include the types of *Carponycteris crassa*; *Chiruromys pulcher*, and *Phalanger orientalis intercastellanus*; purchased.

A specimen of a Bat (*Pteropus woodfordi*) from New Georgia, Solomon Islands; presented by the Lords of the Admiralty.

Fifteen Mammals collected chiefly in Sipora, Mentawei Islands, by Dr. E. Modigliani, and presented by the Trustees of the Genoa Museum.

A series of Mammals from the Natuna Islands, containing typical examples of *Tupaia lucida* and *Sciurus nanogigas*; purchased.

Aves.—Two Little Auks (*Mergulus alle*), from Sandringham; presented by H. R. H. The Prince of Wales.

Two nestlings of Bewick's Swan (*Cygnus bewicki*), from Kolguev Island; presented by Colonel Feilden.

Two hundred and forty-seven Birds and Eggs from the Salvage Islands, Madeira, and Porto Santo, containing many species of great interest; presented by the Hon. Cecil Baring and W. R. Ogilvie Grant, Esq.

A collection of nine hundred and twenty-four Birds, with nests and eggs, from the Province of Rio de Janeiro; presented by Alexander Fry, Esq.

Two hundred and two skins of South American Birds; presented by Osbert Salvin, Esq., F.R.S., and F. Du Cane Godman, Esq., F.R.S.

The last instalment of the Shelley collection, numbering three thousand one hundred and twenty-five skins of African Birds, including many types and species new to the collection; purchased.

A specimen of a rare Petrel (*Ostrelata incerta*) from the Cape Seas; presented by Thomas Paskin, Esq.

The types of twenty-four new species of Birds discovered during Dr. A. Donaldson Smith's expedition to Lake Rudolph; presented by Dr. Donaldson Smith.

Eight specimens from Nassa, in Speke Gulf, Victoria Nyanza, obtained by the Rev. E. H. Hubbard, and containing the type of *Francolinus hubbardi;* purchased.

The type specimen of *Tricholæma ansorgii,* from Uganda; presented by Dr. Ansorge.

Seventy-nine Birds from Somaliland, collected by E. Lort Phillips, Esq., and containing twelve types, and nine species previously unrepresented in the collection; purchased.

Seventy-one Birds from Aden; presented by Colonel Yerbury.

Twenty-one specimens of Birds from Sikhim, including the type of *Garrulax waddelli*; presented by Surgeon Major L. A. Waddell.

Four thousand four hundred and twenty-six Birds, forming the collection made by Colonel H. H. Godwin-Austen during his expeditions to the mountain districts of Assam and Manipur, including many species unrepresented in the Museum, and several types; purchased.

A pair of Mrs. Hume's Pheasant (*Phasianus humiæ*) from the Ruby Mines district in British Burma; presented by E. W. Oates, Esq.

Eighty-two Birds from Kina Balu, and the Sula Archipelago; collected by A. H. Everett, Esq.; purchased.

Twenty-two Birds from the islands of Luzon and Mindoro including four species new to the collection; obtained by A. H. Everett, Esq.; purchased.

Two hundred and twenty-four Birds from the Philippine Islands, including the type of a new genus, and thirty-five types of new species; presented by the Subscribers to the Whitehead Exploration Fund.

Two males of a rare species of Bird of Paradise (*Parotia carolæ*) from N. W. New Guinea, new to the collection; purchased.

Five specimens from Great Natuna Island, including two species new to the collection; obtained by Charles E. Hose, Esq.; purchased.

Fifty-eight Birds from New Zealand; presented by Sir Samuel Scott, Bart.

A series of one hundred and seventy-five Birds collected in the Hawaian Islands, comprising no less than twenty-six species new to the collection; presented by the Joint Committee of the Royal Society and the British Association.

Thirteen Birds, including nine species new to the collection; received in exchange from the Hon. Walter Rothschild.

One hundred and nine Cuckoo's eggs, and sets of the eggs of the foster-parents; purchased.

Reptiles.

Reptiles.—The additions number one thousand four hundred and forty-eight, of which seven hundred and ninety-two were obtained by presentation, five hundred and ninety-nine by purchase, and fifty-seven by exchange.

The following are the more important :—

Fifteen specimens from Asia Minor and Cyprus, collected by Hr. H. Rolle; purchased.

The type of a new Gecko from Nineveh (*Phyllodactylus elisæ*); received in exchange from Dr. F. Werner.

Two rare Snakes (*Gerardia prevostiana* and *Hydrophis phipsoni*) from Bombay; presented by H. M. Phipson, Esq.

Ninety specimens from Aden, including two Lizards new to the collection (*Latastia neumanni* and *Scincus hemprichii*), the types of two new Lizards (*Hemidactylus yerburyi* and *Mabuia tessellata*), and a new Snake (*Tarbophis guentheri*); presented by Colonel Yerbury.

Seven specimens from Aden, among which a new Snake (*Glauconia nursii*); presented by Captain C. G. Nurse.

Sixteen specimens from Benares; presented by Lieutenant S. S. Flower.

The type of a new Earth-Snake (*Rhinophis fergusonianus*), and six Sea-Snakes from Travancore; presented by H. S. Ferguson, Esq.

Twenty-nine specimens from Ceylon; presented by E. E. Green, Esq.

Twelve specimens from Penang and the Malay Peninsula, among which a remarkably large *Varanus salvator;* presented by Lieutenant S. S. Flower.

Five specimens from the Malay Peninsula; presented by B. E. Mitchell, Esq.

Ten specimens from Singapore; presented by H. N. Ridley, Esq.

Thirty-four specimens from Sarawak, among which is a Snake of a new species (*Calamaria brookii*); presented by H. H. Rajah Brooke.

Eighteen specimens collected in Sarawak by Chas. E. Hose, Esq.; purchased.

Thirty-four specimens collected in Borneo, and the Philippine Islands, including two new Snakes (*Calamaria brachyura* and *C. mindorensis*), and a Lizard (*Draco obscurus*) and a Snake (*Hydrablabes præfrontalis*) new to the collection; purchased.

Twenty-six specimens from British North Borneo, among which is a Lizard (*Lygosoma quadrivittatum*), new to the collection; presented by Douglas Cator, Esq.

Seventy-four specimens from the Natuna Islands; purchased.

Twenty-eight specimens from Luzon; presented by the Subscribers to the Whitehead Exploration Fund.

Five Lizards and one Snake from Celebes, new to the collection; presented by the Drs. Sarasin.

Fourteen specimens from Halmaheira, collected by Dr. Kükenthal, including types of three new Lizards (*Lygosoma kuekenthali*, *L. sorex*, and *L. brevipes*); obtained in exchange from the Senckenberg Museum.

Sixty-nine specimens from Fergusson Island, British New Guinea, collected by Mr. A S. Meek, among which are types of five new species (*Lygosoma miotis*, *L. tetratænia*, *Stegonotus guentheri*, *S. reticulatus*, and *Dendrephis meeki*); purchased.

Fifty-one specimens from the Trobriand Islands, British New Guinea, collected by Mr. A. S. Meek, among which are types of a new Snake (*Dendrelaphis papuensis*); purchased.

Twenty-one specimens from North Australia, collected by Dr. Dahl, including the type of a new Snake (*Typhlops nigricauda*); received in exchange from the Zoological Museum, Christiania.

Ten specimens from West Australia, collected by Mr. E. H. Saunders; purchased.

Thirty-nine specimens from Somaliland, including a Lizard new to the collection (*Holodactylus africanus*), and the types of two new Lizards (*Pristurus phillipsii* and *Agama phillipsii*); presented by E. Lort Phillips, Esq.

Five specimens from Somaliland; presented by Captain C. G. Nurse.

Type specimens of two Lizards (*Agama rueppellii* and *A. batillifera*) and a Snake (*Brachyophis revoili*) from Somaliland; received in exchange from the Paris Museum.

The type of a new Lizard (*Hemidactylus jubensis*), and a Snake new to the collection (*Psammophis punctulatus*), obtained in Somaliland and Gallaland by Captain Bottego; presented by the Marquis G. Doria.

The types of seven new Reptiles from Somaliland and Gallaland; presented by Dr. Donaldson Smith.

Twenty-five specimens obtained by Dr. Donaldson Smith on his Expedition to Lake Rudolf; purchased.

Four rare Lizards from German East Africa; presented by Hr. Oscar Neumann.

Two Chameleons new to the collection (*Chamæleon fischeri* and *Ch. spinosus*), and the type of a new Snake (*Atheris ceratophorus*) from Usambara; purchased.

Types of a new Lizard (*Gonatodes africanus*), and two new Snakes (*Oligolepis macrops* and *Aparallactus werneri*) from Usambara; presented by Dr. F. Werner.

Twenty-nine specimens from Central Africa, including types of two new Lizards (*Chamæsaura tenuior* and *Chamæleon ellioti*); presented by G. F. Scott Elliot, Esq.

Fifteen specimens from British Central Africa; presented by Sir H. H. Johnston, K.C.B.

Specimens

Specimens of a Lizard new to the collection (*Amphisbæna liberiensis*); obtained in Liberia by Dr. Büttikoffer; purchased.

Sixty specimens from the Niger, among which a Lizard (*Lygosoma guineense*) and a Snake (*Tropidonotus variegatus*) new to the collection, and the types of two new Snakes (*Simocephalus crossii* and *Naia goldii*); presented by Dr. W. H. Crosse.

A Snake (*Rhamphiophis togoensis*) from Togoland, West Africa, new to the collection; received in exchange from the Berlin Museum.

Eleven specimens from the Transvaal, collected by Mr. W. Ayres, including the types of two new Lizards (*Pachydactylus affinis* and *Agama microterolepis*); purchased.

Seventy-four specimens from Madagascar; purchased.

Nineteen specimens from Madagascar; received from Dr. Forsyth Major.

A Tortoise, new to the collection (*Chrysemys hieroglyphica*) from North Carolina; purchased.

Twenty-seven specimens from California and Lower California, mostly species new to the collection; purchased.

Eighty-seven specimens from Mexico and Central America; presented by F. D. Godman, Esq., F.R.S., and O. Salvin, Esq., F.R.S.

Thirteen specimens from Montserrat and Antigua, West Indies; presented by Francis Watts, Esq.

The type of a new Lizard (*Ameiva alboguttata*) from Mona, West Indies; presented by Hr. W. Wolterstorff.

One of the type specimens of *Bothrops bicolor* from Guatemala; received in exchange from the Paris Museum.

Fifteen specimens from Nicaragua, among which is a Snake (*Herpetodryas melas*), new to the collection; purchased.

Nineteen specimens collected in Costa Rica by Mr. Underwood; among them are two Snakes new to the collection, *Tropidodipsas psephota* and *Rhadinæa pulveriventris*; purchased.

Twenty-seven Snakes from Pará and the R. Ucayale, among which are examples of three species new to the collection (*Typhlophis squamosus, Atractus emmeli, Elaps surinamensis*); presented by Dr. E. A. Göldi.

Forty-seven specimens from Colombia, including the types of two new Lizards (*Anolis rosenbergii* and *A. notopholis*), and two new Snakes (*Atractus boettgeri* and *Philodryas bolivianus*); purchased.

A new Lizard from Matto Grosso (*Anolis holotropis*), and a new Snake from Paraguay (*Helminthophis ternetzii*); purchased.

Batrachians.—Six hundred and seventy specimens have been added to the collection, three hundred and seventy-eight by presentation, two hundred and sixty-eight by purchase, twenty-four by exchange.

The following additions deserve special notice :—

Twenty-two specimens from Aden ; presented by Colonel Yerbury.

Nine specimens from Benares ; presented by Lieutenant S. S. Flower.

Fifty-six specimens from Travancore ; presented by H. S. Ferguson, Esq.

Six specimens from Penang ; presented by Lieutenant S. S. Flower.

Five specimens from Singapore ; presented by H. N. Ridley, Esq.

Forty specimens from the Natuna Islands, collected by Messrs. Hose and Everett, among which is a Frog (*Rana haschiana*) new to the collection, and the types of two new species (*Diplopelma natunæ* and *Leptobrachium natunæ*) ; purchased,

Twenty-nine specimens from Sarawak, among which are the types of four new species (*Rhacophorus hosii, R. fasciatus, R. nigropalmatus, Nectophryne macrotis*), collected by C. E. Hose, Esq. ; purchased.

Thirteen specimens from British North Borneo ; presented by Douglas Cator, Esq.

Fifty-five specimens collected by Mr. Everett in Borneo and the Philippine Islands ; purchased.

Fifteen specimens from Luzon ; presented by the Subscribers to the Whitehead Exploration Fund.

Twelve specimens from Halmaheira and Batjan, collected by Professor Kükenthal, among which is one of the types of a new Frog (*Hyla rueppellii*) ; received in exchange from the Senckenberg Museum.

Eleven specimens from Fergusson Island, British New Guinea, collected by Mr. Meek ; purchased.

The type of a new Frog (*Chiroleptes dahlii*) from the Daly River, North Australia ; received in exchange from the Christiania Museum.

Eight specimens from Western Australia ; purchased.

Twenty specimens from Somaliland ; presented by E. Lort Phillips, Esq.

The types of two new Frogs (*Arthroleptis minutus* and *Bufo dodsonii*) from West Somaliland ; presented by Dr. Donaldson Smith.

Five specimens obtained by Dr. Donaldson Smith on his Expedition to Lake Rudolf ; purchased.

The type of a new Cæcilian (*Bdellophis vittatuse*) from Usambara ; presented by Dr. F. Werner.

Two rare Cæcilians from Usambara ; obtained in exchange from the Berlin Museum.

Eight specimens from Central Africa ; presented by G. F. Scott Elliot, Esq,

Eight specimens from the Niger ; presented by Dr. W. H. Crosse.

Fourteen specimens from Stanley Falls, among which is a Frog new to the collection (*Rappia quinquevittata*); purchased.

One of the types of a Cæcilian from the Gaboon (*Urœotyphlus seraphini*) and a Cæcilian from the Seychelles, new to the collection (*Hypogeophis alternans*); obtained in exchange from the Paris Museum.

Sixteen specimens from Madagascar; purchased.

Twenty specimens from North America, including a Newt new to the collection (*Desmognathus brimleyorum*); purchased.

Thirty-five specimens from Mexico and Central America; presented by F. D. Godman, Esq., F.R.S., and O. Salvin, Esq., F.R.S.

Eight specimens from Nicaragua; purchased.

Twenty-four specimens obtained in Costa Rica, by Mr. Underwood, purchased.

Types of a new Frog (*Oreophrynella quelchii*), from Mt. Roraima, British Guiana; presented by J. J. Quelch and F. McConnell, Esqrs.

Six specimens from Brazil; presented by Dr. E. A. Göldi.

Fifty-three specimens from Colombia, among which are types of four new Frogs (*Hylodes raniformis, H. bufoniformis, H. erythropleura* and *Hyla variabilis*); collected by Mr. Rosenberg; purchased.

Pisces.—The additions number one thousand two hundred and eighty-nine, of which the following deserve special notice:—

A large Sea-Bream (*Brama raii*), from Scarborough; presented by J. W. Woodall, Esq.

A large Tunny (*Thynnus vulgaris*), from Plymouth; purchased.

A Trout (*Salmo fario*), from Novaya Semlia, a Charr (*Salmo alpinus*), from Sviatonoskaia Bay, and a Smelt (*Hypomesus olidus*), from the latter locality; presented by Colonel Feilden.

Nine specimens from the Danube; received in exchange from Dr. F. Werner.

Twelve specimens from Smyrna; presented by F. Holmwood, Esq., C.B.

Types of eight deep-sea fishes from the Bay of Bengal, described by Dr. Alcock; received in exchange from the Indian Museum, Calcutta.

Forty-five specimens collected by Mr. Styan, in the Yang-tse-Kiang; purchased.

Thirty-nine specimens from Sarawak; presented by H. H. Rajah Brooke.

Forty-three specimens collected by C. E. Hose, Esq., in Sarawak; purchased.

Thirteen specimens from British North Borneo; presented by Douglas Cator, Esq.

Eleven specimens from Madeira; presented by J. Y. Johnston, Esq.

One hundred and two specimens from Madeira, and forty-one from Great Salvage; presented by the Hon. C. Baring, and W. R. Ogilvie Grant, Esq.

Types of three new fishes described by Dr. Steindachner (*Eleotris buttikoferi, Clarias salæ, Mormyrus liberiensis*), from Dr. Büttikofer's Liberia collection; purchased.

Fifty specimens from Old Calabar; presented by Miss Kingsley.

Twelve specimens from Dr. Donaldson Smith's Expedition to Lake Rudolf, including the types of four new species (*Clarias smithii, Synodontis smithii, S. geladensis,* and *Distichodus rodolphi*); purchased.

Four specimens from Central Africa; presented by G. F. Scott Elliot, Esq.

Fourteen specimens from Algoa Bay; presented by H. A. Spencer, Esq.

A fish new to the collection (*Galaxias capensis*) from Cape Town; presented by Professor M. Weber.

Thirteen specimens from Madagascar; purchased.

Eighteen specimens from the Atlantic Coast of North America; purchased.

Three hundred and forty-two specimens obtained on the West Coast of Mexico by the Hopkins Expedition, including types of nineteen species described by Prof. Jordan; purchased.

Eighteen specimens from Colombia, among which are types of a new species (*Parodon caliensis*), collected by Mr. Rosenberg; purchased.

Nine specimens from Carthagena, Colombia, among which is a very large Sea-Perch (*Epinephelus areolatus*); presented by Captain W. H. Milner.

Twenty-three specimens from Para, among which are representatives of five species new to the collection (*Auchenipterus striatulus, Serrasalmo serrulatus, Myletes lippincottianus, Anacyrtus myersii, Xiphorhamphus falcatus*); presented by Dr. E. A. Göldie.

Two hundred and eighty-two specimens from the River Paraguay, collected by Dr. C. Ternetz, including types of fourteen new species; purchased.

Twenty-six specimens obtained by Dr. Borelli in Paraguay and Argentina, including types of two new species (*Nannostomus lateralis* and *Rivulus punctatus*); received from the Turin Museum.

Eleven

Eleven specimens from Montevideo, among which is a fish new to the collection (*Clupea arenata*); presented by Professor C. Berg.

Mollusca.—To this division two thousand seven hundred and seventy-five specimens were added The following are the more important acquisitions :—

One hundred and thirty-seven land and marine shells from Madeira, the Canary and Salvage Islands; presented by W. R. Ogilvie Grant, Esq.

Five hundred and eleven land and freshwater shells from the Canary Islands, Madeira, and other Atlantic islands, including several types, and many species new to the Museum; purchased.

One hundred and fifty-three specimens of *Strophia* from the Bahama Islands; purchased.

Four hundred and ninety-seven land and freshwater shells from St. Vincent, Grenada, and the Grenadines; presented by the Joint Committee of the Royal Society and the British Association.

A fine example of the very rare *Pleurotomaria adansoniana* from Tobago; purchased.

Ninety-one land and freshwater shells from Ashanti; presented by R. Austen Freeman, Esq.

Forty deep-sea Molluses from the Bay of Bengal and the Arabian Sea, including many new and interesting species; presented by the Trustees of the Indian Museum, Calcutta.

A specimen of the Ceylon Pearl Oyster (*Meleagrina fucata*), with pearls embedded in the soft parts; purchased.

One hundred and eighty-four land and marine shells from Java, Hong Kong, &c., including the types of several new species; purchased.

Eighty-three land shells from the Philippine Islands, New Guinea, and China; purchased.

Seventy-six marine shells from various parts of Australia; presented by J. Brazier, Esq.

Two hundred and seven land shells from Central Australia, including many species new to the collection; presented by W. A. Horn, Esq.

Sixty-one land and one hundred and six marine shells from Burmah, Australia, West Indies, &c.; presented by J. H. Ponsonby, Esq.

Crustacea.—Three hundred and thirty-six specimens have been added to the collection. The most valuable are :—

One hundred and forty specimens from the Australian Museum, determined by comparison with Professor Haswell's types; obtained by exchange.

Thirty-one lately described forms from depths ranging from 65—902 fathoms in the Bay of Bengal; presented by the Trustees of the Indian Museum, Calcutta.

Twenty specimens illustrating Dr. Chilton's recent memoir on the subterranean Crustacea of New Zealand; presented by Dr. Chilton.

Arachnida.—To this class two thousand three hundred and two additions have been made. The following are deserving of special mention :—

Twenty Arachnida, including the type of *Solpuga marshalli*, and a new species of *Harpactera* from Mashonaland; presented by G. A. K. Marshall, Esq.

Twenty-seven spiders, scorpions, and solifugæ, including new species of *Buthus*, *Rhax*, *Scorpio*, and *Heligmomerus* from Somaliland; presented by E. Lorf Phillips, Esq.

A collection of fifty-eight scorpions and solifugæ from Aden, containiug examples of *Butheolus thalassinus*, *Hemiscorpius lepturus* and others new to the collection; presented by Colonel Yerbury.

Thirty-seven spiders, scorpions, and ticks from Ceylon, including examples of *Isometrus basilicus* new to the collection; presented by E. E. Green, Esq.

Forty-seven spiders, including a new species of Ant-like *Salticus* from Allahabad; presented by A. E. Ryver, Esq.

A collection of ninety-seven spiders, containing the types of *Cyclosa oatesi* from the Andaman Islands; presented by E. W. Oates, Esq.

A collection of fifteen hundred and fifty Burmese spiders, referable to three hundred and ten species determined by Dr. Thorell, and including the types of one hundred and fifty-three new species and examples of many others previously unrepresented in the Museum collection; presented by E. W. Oates, Esq.

Twenty spiders and scorpions, including a new species of the genus *Stylocellus* from Sandakan; presented by Douglas Cator, Esq.

Myriopoda.—Two hundred and seventy-nine specimens of this class were acquired during the year. The following are the most important :—

Thirty-three millipedes of the family *Polydesmidæ* from Liberia, including the co-types of ten species; presented by Professor O. F. Cook.

Twenty-three centipedes and millipedes from Somaliland, including new species of *Spirostreptus* and *Odontopyge;* presented by E. Lort Phillips, Esq.

Fifty-five centipedes and millipedes from Burma, including the co-types of twenty-nine species; presented by R. I. Pocock, Esq.

Nine centipedes and millipedes from Penang and Kulim, including a new species, *Zephronia impunctata;* presented by Lieutenant S. S. Flower.

Insecta.—

Insecta.—The total number of specimens acquired during the year amounted to twenty-seven thousand four hundred and sixty-three; they are distributed among the various orders as follows:—

Coleoptera	4,219
Hymenoptera	1,564
Lepidoptera	17,932
Diptera	1,042
Neuroptera	279
Orthoptera	520
Rhynchota	1,892
Trichoptera	2
Thysanura	7
Mallophaga	6
Total	27,463

(From Great Britain.)

Two microscopic slides of *Mymaridæ* (*Caraphractus cinctus* and *Polynema natans*); purchased.

Nine rare Coleoptera (*Smicronyx cæcus, Psammonodius paucicollis, Aphodius conspectus, Harpalus tenebrosus*); presented by J. J. Walker, Esq.

One hundred and eighty-two Diptera, including *Anthrax hottentotta, Microdon devius,* and a specimen of *Microdon latifrons,* which is new to the British List; collected and presented by Colonel Yerbury and W. R. Ogilvie Grant, Esq.

Twenty-three specimens of *Lipoptera cervi,* apparently from the Roe-deer, from Blandford; presented by J. C. Mansel-Pleydell, Esq.

(From Europe.)

The Coleoptera collected in the Pyrenees by the late Miss Jane Lee; presented by Oldfield Thomas, Esq.

Eighteen Odonata, including two species new to the collection, from Switzerland and the Tyrol; presented by Dr. T. A. Chapman.

(From North America.)

A set of one hundred and twenty Coleoptera and ten Rhynchota, collected at Calgary, Alberta, North-West Canada; presented by Oldfield Thomas, Esq.

Four specimens of *Arctia rectilinea* from Texas, and one Moth (*Rejectaria manippusalis*) from Jalapa, Mexico; presented by W. Schaus, Esq.

(From the West Indies.)

A collection of two thousand seven hundred and sixteen insects, including *Solenoptera canaliculata, Eburia insulana, Haruspex inscriptus, Pentomacrus fasciatus, Tethlimmena basalis* and *Decarthria albofasciata*, collected chiefly at Grenada and St. Vincent; presented by the West Indian Exploration Committee.

Twenty-eight Odonata and four Heterocera, including a rare Noctuid (*Oræsia sp.*), from Jamaica; presented by Lady Blake.

Three Diptera, including the type of *Cutiterebra funebris*, from Trinidad; presented by J. H. Hart, Esq.

(From South America.)

Four Coleoptera, including the type of a new genus *Charaymophorus*, and three Odonata larvæ, collected at Mt. Roraima at an elevation of 8,500 feet; presented by J. J. Quelch and F. McConnell, Esqrs.

Ten Moths, including specimens of *Histiæa meldolæ, Histiæa bellatrix*, and four *Cossidæ*, from Venezuela; presented by W. Schaus, Esq.

Sixteen specimens of Lepidoptera Heterocera, eight of them being types of new species collected in Brazil; presented by W. Schaus, Esq.

Fifteen *Crambinæ*, containing thirteen types of new spp. from the Neotropical Region, and two specimens of *Apatelodes parvula* from Parana; presented by W. Schaus, Esq.

One hundred and nineteen Heterocera and one Orthopteron from Buenos Ayres; presented by J. H. Leech, Esq.

(From Africa.)

One hundred and fourteen insects of various orders, collected in Algeria; presented by the Rev. A. E. Eaton.

Three hundred and eighty-one insects of various orders from Madeira, Canary, and Salvage Islands; presented by W. R. Ogilvie Grant, Esq.

One nest of Ants with twenty-five specimens of the Ant (*Œcophylla virescens*, var. ?), from Sierra Leone; presented by Major C. B. Lyster, through Sir John Lubbock, Bart.

Forty specimens of Coleoptera and eleven of Lepidoptera, from Accra; presented by G. A. Higlett, Esq.

A series of four hundred and eighty-two insects from Old Calabar, comprising *Eudema conicus, Macrochilus grandis, Taurina niræus* and *Stenanorrhina guttata*; presented by Miss Kingsley.

One hundred and seven Lepidoptera, including *Acræa admatha, Crenis amulia, Euchromia splendens, Girpa sp.*, and *Ophisma izea*, collected at Old Calabar by J. T. Steadley, Esq.; presented by J. E. Harting, Esq.

Twenty-five

Twenty-five specimens of Lepidoptera, including five new species from the country west of Lake Nyasa; presented by R. Crawshay, Esq.

Five specimens of Coleoptera, forty-three of Lepidoptera, and two Rhynchota, chiefly from the River Niger, between Akassa and Asaba; presented by Captain Lugard.

Twenty-three Lepidoptera, including a new *Papilio* (*P. pelodurus*) from Zomba; presented by Consul Alfred Sharpe, through P. L. Sclater, Esq., F.R.S.

One hundred and seventy-four insects of various orders from Fwambo, British Central Africa; purchased.

One hundred and twenty Lepidoptera, including nine new species, from British Central Africa; collected and presented by R. Crawshay, Esq.

One hundred and one insects of various orders, collected chiefly at Asaba; purchased.

Fifty Lepidoptera, seven Coleoptera, and eight Neuroptera from Uganda and Highlands of Masai; presented by G. F. Scott-Elliot, Esq.

One hundred and fifty Coleoptera from Usambara, East Africa; purchased.

A collection of seven hundred specimens of various orders, and including examples of *Heliocopris colossus*, *Ranzania splendens*, *Neptunides stanleyi*, *Phrynetoides regia*, *Sternotomis variabilis* and *Ceroplesis signata*, from East Central Africa; presented by G. F. Scott-Elliot, Esq.

Specimens of *Cyrtacanthacris purpurifera*, a destructive Locust, from South Africa; presented by L. Péringuey, Esq.

A series of fifty Coleoptera, four Hymenoptera, six Diptera, five Orthoptera, and six Hemiptera, chiefly from the Transvaal; presented by H. P. Thomasset, Esq.

Two hundred and ninety-five insects of various orders, including specimens of *Anthia ferox*, *Polyhirma tetrastigma*, and *Temnopterus spinipennis*, from Somaliland; presented by E. Lort Phillips, Esq.

A set of twenty Diptera from Somaliland; presented by Captain C. G. Nurse.

Three examples of Coleoptera (*Haplothorax*) from St. Helena; presented by James Homagee, Esq.

(From Asia.)

A collection of two hundred and thirty-four Lepidoptera, including a new Lycænid Butterfly (*Iolaus nursei*), and thirty-six Neuroptera, collected at Aden; presented by Colonel Yerbury.

Seventy-six Diptera, from Aden; collected and presented by Captain C. G. Nurse.

Ten Lepidoptera Heterocera, including *Abraxas davidi*, *A. etridoides*, *A. nymphidiana*, *Obeidia millepunctata*, &c., from Thibet and India; presented by M. R. Oberthür.

The second portion of Dr. F. Moore's Collection of Lepidoptera Heterocera from India, Burma, &c., comprising the Bombyces and Pyrales, and consisting of ten thousand five hundred and ninety-one specimens, referable to two thousand six hundred and eighty-nine species and nine hundred and ninety-seven types; purchased.

A collection of one hundred and thirty-three Lepidoptera, including rare species such as *Colias ladakensis*, and an undetermined species from Ladakh; collected and presented by Captain F. E. S. Adair.

Fifty insects of various orders, chiefly Hymenoptera from Cashmere and other localities; presented by J. H. Leech, Esq.

Eight Coleoptera, nineteen Hymenoptera, and one hundred and forty-two Lepidoptera, including types of twenty-three new species from Bhutan and Sikkim; presented by G. C. Dudgeon, Esq.

A collection of three hundred and thirty Lepidoptera Heterocera, including twenty-one types collected by G. C. Dudgeon, Esq., at Sikkim and Bhutan; presented by G. F. Hampson, Esq.

One hundred and ninety-two Lepidoptera Heterocera, and two Neuroptera, from Yatong, Sikkim; presented by Colonel C. T. Bingham.

Three hundred and ninety-six Lepidoptera Heterocera, including eight types collected by L. de Nicéville, among which *Neocastnia nicevillei* should specially be mentioned; presented by G. F. Hampson, Esq.

Seven hundred and sixty Lepidoptera, containing many species, especially among the *Lycænidæ*, of which the Museum was in great want, mostly from Burma; presented by Colonel C. T. Bingham.

One hundred and fifty-four Coleoptera, comprising *Rosalia lameeri*, *Pachylocerus spilosus*, *Margites sulcicollis*, and *Mecotagus guerinii*, three hundred and four Lepidoptera, seven pupæ, twenty-six Diptera, and sixteen Rhynchota, from Mysore, Burma, and Chin Hills; presented by Captain E. Y. Watson.

Fifty-six Lepidoptera Heterocera from the Khasi Hills; purchased.

Eighty-seven Lepidoptera Heterocera, collected by L. de Nicéville, including three new species, *Syntomis plumalis*, *Melanothrix nicevillei*, and *Epiplema nigrifrons*, collected at Toungoo, Burma; presented by G. F. Hampson, Esq.

A collection of four hundred and thirty insects of various orders, among which are twenty types of new species from Ceylon; collected and presented by E. E. Green, Esq.

Four

Four hundred and eighty-six Heterocera, collected by the Hon. F. M. Mackwood, J. Pole, Esq., and E. E. Green, Esq., containing fifty-seven types of new species (chiefly *Pyralidæ*) from Ceylon; presented by G. F. Hampson, Esq.

Seven specimens of Lepidoptera (*Catophaga galena*), collected in Ceylon in April by F. J. Mann, Esq., and forming part of a migration consisting of thousands of individuals passing continuously from N.E. to S.W.; presented by J. E. Harting, Esq.

Two hundred and thirty-eight insects of various orders, collected at Singapore; presented by H. N. Ridley, Esq.

One hundred and twelve Heterocera, collected by L. de Nicéville, at Sumatra; presented by G. F. Hampson, Esq.

Two hundred and sixty-eight insects of various orders from Borneo; presented by Douglas Cator, Esq.

Four hundred and ninety-seven insects of various orders, collected by E. Everett, in North-West Borneo; purchased.

One hundred and forty-eight Coleoptera, twenty-seven Hymenoptera, four Lepidoptera, ten Diptera, thirty Orthoptera, including *Phasmidæ*, *Blattidæ*, and a *Mantis*, seventy-two Rhynchota, and an Ant's or Wasp's nest; presented by the Subscribers to the Whitehead Exploration Fund.

(From the Australian Region and New Zealand.)

Seven specimens of Lepidoptera Heterocera; presented by O. Salvin, Esq.

Twenty-five Coleoptera and nine Lepidoptera, from Toowoomba, Queensland; presented by G. A. Higlett, Esq.

Twenty Hemiptera, fourteen Homoptera and twenty-six Hymenoptera, collected chiefly at Sydney; presented by W. W. Froggatt, Esq.

A collection of sixty Coleoptera, obtained and named by Captain Brown; purchased.

(From various Localities.)

Another instalment of the Butterflies of Dr. F. Moore's Collection, consisting of three hundred and thirteen *Elymniinæ* and *Morphinæ* from various parts of the Old World; purchased.

Two thousand two hundred and fifty specimens of Lepidoptera Rhopalocera belonging to various sub-families, comprising eight hundred and thirty-one *Acræinæ*, eight hundred and eighty-one *Nymphalinæ*, two hundred and twenty-three *Elymniinæ*, and three hundred and eighteen examples of the

genus *Ornithoptera*, including several rare and beautiful species new to the collection, collected in various parts of the Old World; presented by F. D. Godman, Esq., F.R.S., and O. Salvin, Esq., F.R.S.

One hundred and twenty-five *Formicidæ*, named and presented by Professor Forël.

Seventy *Formicidæ*, named by Professor Forël and collected by the donor during the expedition of H.M.S. "Penguin"; presented by J. J. Walker, Esq.

Thirty-six Coleoptera, including three specimens of *Sagridola maculosus*, and two typical examples of *Mastododera tibialis*; received in exchange from M. Oberthür.

Three hundred and forty-five Moths of the sub-family *Phycitinæ*, including many co-types; received in exchange from M. E. D. Ragonot.

Vermes.—Seventy-five worms have been added to the collection; the following may be mentioned:—

Specimens of *Echinorhynchus turbinella* and *Ogmogaster plicatus* from *Balænoptera borealis*; presented by Dr. Jägerskiold.

Seven specimens of *Peripatus* from Trinidad; presented by J. H. Hart, Esq.

An example of the rare *Filaria loa* from the eye of a negro; presented by Dr. Craster.

A specimen of the world-wide *Bipalium kewense* from Funchal; presented by W. R. Ogilvie Grant, Esq.

Twelve earthworms from Madras; presented by Prof. A. G. Bourne.

Echinodermata.—Forty-nine specimens have been added to this class, of which the more important are:—

Fifteen deep-sea Holothurians from the Pacific; presented by the United States National Museum.

Sixteen representatives of various orders collected at Madeira by the Hon. Cecil Baring and W. R. Ogilvie Grant, Esq., who presented them.

Anthozoa.—Two hundred and fifty-six specimens have been added to this class. The most important are:—

A variety of the Pennatulid *Halisceptrum gustavianum* from Port Knysna; presented by Miss Newdigate.

Six interesting stages in the life-history of *Fungia*; presented by J. J. Lister, Esq.

Two hundred and thirty-three examples from West Australia; collected and presented by W. Saville Kent, Esq.

Spongiida.—Fifty-eight specimens of this class have been added. The following are worthy of mention :—

Ten specimens, mostly *Hexactinellida*, dredged off Japan, including a magnificent example of *Acanthascus cactus*; purchased.

A very fine example of *Caulospongia verticillata* from West Australia; presented by W. Saville Kent, Esq.

VI.—*Visitors and Students.*

Eight thousand one hundred and eighty-nine visits have been made to the Department by persons who have required attendance or assistance, as compared with—

10,730	in the year	1894.
10,872	,,	1893.
10,932	,,	1892.
9,443	,,	1891.
9,034	,,	1890.
8,360	,,	1889.
8,797	,,	1888.
8,955	,,	1887.
8,372	,,	1886.
8,313	,,	1885.

W. H. Flower,
Acting Keeper.

Department of Geology.

I.—*Arrangement.*

A.—Vertebrata.

Fossil Mammalia (Gallery No. 1).—A plaster cast of the cranium of a primitive man (*Pithecanthropus erectus*) from Java, has been presented by the discoverer, M. Eugene Dubois, and is exhibited in Table-case 1.

A fine collection of flint implements, found associated with the bones of extinct animals at Crayford and elsewhere, has been presented by F. C. J. Spurrell, Esq., F.G.S. This collection is of particular interest, because in several cases the flakes struck off in making an implement have been collected on the spot by Mr. Spurrell, and united so as to re-construct the original block of flint and show the method followed by the workman in shaping a hâche. Several of these blocks, and many of the separate implements, are exhibited in Table-case 1.

Wall-cases 1 and 2 have been partly re-arranged for the reception of various specimens from caves.

In Wall-case 5, a skull of *Rhinoceros leptorhinus* (Spurrell Coll.) from Crayford; and also a very fine one of *R. antiquitatis*, from Siberia, have been mounted and labelled. The latter is accompanied by one of the horns.

The collection of Pliocene mammals from Samos (Forsyth Major, Coll.). has been distributed, and wall-cases 14 and 16 have been partly re-arranged for the reception of the specimens.

A selection of blocks containing the remains of various Pliocene Mammals from Olivola, Carrara Mountains, is exhibited in a table-case in the middle of the Gallery.

A fine skull of *Titanotherium* from Wyoming, North America, has been mounted, and is exhibited in a separate glazed case.

Skeletons of the Indian Elephant, Indian Rhinoceros, and Musk Ox, have been placed in the Gallery for comparison with the fossil forms.

In Wall-case 29, newly written or printed labels have been prepared and placed with the specimens of Mammoth tusks, &c.

The total number of Fossil Mammalia registered is 244.

Aves (Gallery No. 2).—In this group the additions during the year have been very few. The arrangement of the *Dinornithidæ* in Wall-case XVII. has been completed and each specimen mounted and provided with a printed label.

Table-

Table-case 12, has also been partly re-arranged, and some specimens illustrating the structure of the metatarsus and the tibia, together with the feathers of the Moa, have been exhibited in it.

Some remains of the large extinct rail, *Diaphorapteryx Hawkinsi*, are shown in Table-case 12A.

The number of Avian specimens registered is 5.

Reptilia (Galleries Nos. 3, 4, and 5.)—The whole of the Table-cases in Gallery No. 4 have been shifted and re-arranged so as to bring them more in harmony with the arrangement of the larger objects in the Wall-cases belonging to the same genera.

The coloured reproduction of the skeleton of *Pelagosaurus typus*, which formerly occupied a separate case in the middle of the Gallery, has been placed in Wall-case No. II.

Some remains of a gigantic Dinosaur, *Bothriospondylus madagascariensis*, recently described by Lydekker, have been registered and mounted, and are now exhibited in Wall-case III. In the same case some additional vertebræ of *Ornithopsis* have also been mounted.

The collection of the late J. W. Hulke, Esq., F.R.S., recently presented by Mrs. Hulke, has been registered and distributed in the collection; selected specimens being mounted and exhibited in Table-case 16, and in Wall-cases III. and V.

The collection of the Rev. P. B. Brodie, M.A., F.G.S., has also been dealt with, and selected specimens exhibited in various cases.

A coloured re-production of *Iguanodon bernissartensis*, from the Brussels Museum, has been mounted in the middle of the Gallery.

The re-arrangement of Wall-case VII. has been finished, and the whole of the remains of the *Mosasauridæ* are now exhibited in it.

Wall-case No. VIII. has been completely re-arranged, and in it the remains of Rhynchocephalia, Proterosauria, Mesosauria, &c., are exhibited.

A fine skeleton of a new Theriodont Reptile, *Cynognathus crateronotus*, recently described by Professor Seeley, is mounted in a separate glazed case in the middle of the Gallery. Other new Theriodonts have been placed in Table-case No. 17.

All the specimens in Table-case 7 have been re-tableted and provided with printed labels.

Wall-case No. X. is under arrangement for the reception of mounted skeletons of *Plesiosaurus*, from the Oxford clay (part of the Leeds collection), and other Plesiosaurian remains.

The number of reptilian remains registered during the past year is 3,699.

Fossil Fishes (Gallery No. 6.)—Much re-arrangement has been necessitated by the acquisition of the Ward and Davis Collections, and by the publication of Part III. of the Catalogue of Fossil Fishes.

The Ostracodermi (except those mounted in the Wall-case), have been removed from the series of ganoid fishes and re-arranged in two small Table-cases at the entrance to the Gallery. The specimens have been re-labelled, and all important recent acquisitions have been incorporated.

The Pleuracanth Elasmobranchs have been removed to another small Table-case in the centre of the Gallery, and arrangements are being made to transfer the Acanthodians to two similar small Table-cases.

The Chimæroids are now entirely confined to Table-case 33 and the Dipnoi have been removed to Table-case 34. Table-cases 35 and 36 are thus devoted to the Crossopterygian Ganoids, which have hitherto been represented only in the Wall-cases.

Several fine examples of *Platysomidæ* have been added to Table-cases 39 and 40.

Table-cases 40 to 48, containing the Mesozoic Ganoids comprised in Part III. of the published Catalogue, have been entirely re-arranged, also in great part re-tableted and re-labelled with printed labels. The drawers beneath have been correspondingly re-arranged.

All the catalogued specimens in drawers have been labelled.

Wall-cases VIII. and IX. have been re-arranged to accommodate the Palæoniscidæ, Platysomidæ, Catopteridæ, and *Lepidotus*. Many specimens have been framed, and a large part of the new fitting is already prepared.

A fine new specimen, probably the branchiostegal apparatus of *Gyrosteus mirabilis*, from the Upper Lias of Whitby, has been framed and glazed and fixed on the wall between Wall-cases VI. and VII.

The portrait of Louis Agassiz has been framed to be uniform with the other portraits, and labels have been affixed both to this and to those of the late Earl of Enniskillen and the late Sir Philip de Malpas Grey Egerton.

The original restored drawings of Mesozoic fishes, reproduced by photography in Part III. of the Catalogue, have been framed for exhibition in the Wall-cases.

The Ward, Davis, and Brodie Collections, besides numerous other acquisitions, have been registered during the year.

The total number of Fossil Fishes registered is 1,481.

A MS. Index to the register-numbers, mentioned in the Catalogues of Fossil Vertebrata, has been completed, except that referring to the recently issued Part III. of Fossil Fishes, which is now being prepared.

B.—Invertebrata.

Mollusca.—Cephalopoda (Gallery 7).—A short account of "Ammonites and their allies" has been prepared, and is exhibited with accompanying figures and illustrative specimens in Table-case No. 57.

Four *Teuthidæ*, four Cretaceous *Nautili*, one Jurassic Nautilus, twenty-two *Ammonites* and one *Actinoceras*, have been named and mounted upon tablets. One large *Baculites*, one *Ammonites*, and two Jurassic *Nautili* have been mounted upon blocks and labelled, and added to the series in the Wall-cases.

Two *Baculites*, nineteen *Hamites*, three *Turrilites*, two *Anisoceras*, two *Crioceras*, twelve *Ancyloceras*, three hundred and sixty *Ammonites*, and two *Temnocheilus*, have been mounted upon Tablets and placed in the Table-cases.

During the past year the number of fully named and labelled specimens added to the Wall- and Table-cases in Gallery VII. was 438.

The total number of Cephalopods registered during the year amounts to 763.

Mollusca.—Gasteropoda and *Lamellibranchiata* (Gallery No. 8).—In this Gallery the Foreign Collections of Tertiary Mollusca have continued to occupy attention. A great number of the larger specimens have been mounted on blocks, with printed labels attached to each specimen, and arranged in order in Wall-cases I., II., and III. The smaller specimens are fixed upon tablets with written labels giving the name, formation, and locality to each, and placed upon the slopes.

As many as 3,675 specimens have been so mounted and displayed in the Wall-cases, whilst 1,385 named specimens have been arranged in glass-covered drawers beneath the Table-cases, for study and reference purposes.

Additions have been made to the exhibited series of British Mollusca, &c., from the following Collections, namely:—the "Ogle Collection" of Tertiary Mollusca from Barton and Bracklesham; the "Caleb Evans Collection" from Cretaceous strata; the "Jesson Collection" from the Greensand of Cambridge, and the Oxford Clay, Northampton; the "Monk Collection" from the Inferior Oolite, Yeovil, &c.

Of Foreign Mollusca may be mentioned a collection of Madagascar fossils from the Rev. Richard Baron, F.L.S., F.G.S., described by Mr. R. B. Newton, F.G.S. A series of fossils from South Africa, part of the "Fraser Collection." A selection of these specimens has been placed in the Wall- and Table-cases, and the remainder in glass-topped drawers beneath the Table-cases.

The Inferior Oolite Gasteropoda are mounted and exhibited in Table-case No. 93, and continued in a small Table-case close by, placed in the centre of the Gallery.

Brachiopoda.—A number of Permo-Carboniferous Brachiopods from the Arctic and Australasian regions, obtained by the early explorers, as well as some more recently obtained, have been studied with a view to identify the "types" or figured specimens.

An examination has also been made of various Silurian and Devonian Brachiopoda lately obtained from Devonshire.

The registration, mounting, and arranging of the "Davidson Collection" of Brachiopoda has been proceeded with, and during the past year 3,387 specimens have been registered, named, and mounted, making with those previously treated, a total of 15,463 specimens.

Bryozoa.—The whole collection of Jurassic Bryozoa has been re-arranged; ninety-one specimens have been mounted in glass-topped boxes for exhibition in the new Table-cases; five hundred specimens have been arranged in nineteen drawers in a case in No. 9 Gallery. The remaining reserve collection has been assorted and placed in the drawers beneath Table-cases 84 and 85, Gallery IX.

Nine hundred and twenty-nine specimens of Bryozoa from other geological horizons have also been registered.

Crustacea.—Some British Carboniferous Trilobites from the River Hodder, Stonyhurst, have been added to the collection; also some specimens from the Culm of Devonshire. Crustacea and Insecta registered 916.

Annelida.—The collection of Annelida has been finally arranged in Table case 79 and Wall-case 15A, and also in thirty four drawers of Table-case No. 79.

The number of Annelida registered was 1,762.

Echinoidea and *Asteroidea*, &c. (Gallery No. 8).—Various additions to the Echinoid, Asteroid, and Ophiuroid collections have been received, registered, labelled, and incorporated in the Collection during the past year.

The number of specimens registered was 455.

Crinoidea, Cystoidea, &c.—A detailed examination and description has been made of the rare fossil Crinoid *Uintacrinus socialis* from the Upper Cretaceous beds of Western Kansas, recently purchased. Two hundred and eighty-seven specimens of Criniodea and thirty-three of Cystoidea have been named and labelled, and added to the Collection.

The number of specimens registered was 320.

Actinozoa-zoantharia (Gallery No. 10).—The number of fossil Corals registered was 232.

Protozoa.—The number of specimens registered was 441.

C.—Plantæ.

Fossil Plants (Gallery No. 10.).—The number of specimens registered is 337.

Rock-specimens, &c. (Gallery No. 11).—The number of specimens registered during the past year was 21.

II.—*Department Library* (*Gallery No.* 9).

During the year 1895, the accessions to the Library, and to the collection of British and Foreign Geological Maps, have been stamped, and catalogue-slips prepared.

Accessions to the Library:—

	By Donation.	By Purchase.	Total.
New Books and Pamphlets - -	241	90	331
Continuations - - - -	184	222	406
Maps - - - - - -	58	67	125
Total - - -	483	379	862

Slips have been prepared for 60 Maps, and for Books and Serials, 1,247.

Additional shelves and presses have been added to the Library to accommodate the rapidly-increasing number of Books. This has necessitated a re-arrangement of the books, which has entailed the re-press-marking of a large number of volumes. 1,523 volumes have already been re-marked, and of pamphlets, 2,450.

The catalogue slips have also been altered, so as to correspond with the new press-marks. Sixty volumes have been bound, and 50 are still in the hands of the binder.

III.—*Preparation of Catalogues.*

The publication of Part II. of the "Catalogue of Wealden Plants," by A. C. Seward, and of Part III. of the "Catalogue of Fossil Fishes," by Arthur Smith Woodward, has been mentioned in the early part of this Return.

Part I. of the "Catalogue of the Bryozoa," by Dr. Gregory, is completed, and in the Printer's hands; and Part I. of the "Catalogue of Tertiary Mollusca, Australasia," by Mr. G. F. Harris, is in progress.

The Slip Catalogue.—The work of preparation of a Catalogue of all the figured specimens of the Invertebrata is in progress, 676 slips of the Fossil Cephalopoda in the collection, which are types, have been written, and 71 of Brachiopoda.

IV. – *Separate Papers and Memoirs bearing upon the Collection published in* 1895.

The following Papers and Memoirs have been prepared by Members of the Staff, and by other scientific workers in the Department, and relate to specimens forming part of the Geological Collection, which have been described and figured in various works during the past year.

1. Note on a young specimen of *Keraterpetum Galvani*, Huxley, from Staffordshire. (Geol. Mag., 1895, p. 81, with a woodcut.)

2. On the Development of the Shoulder-Girdle of a Plesiosaur, *Cryptoclidus oxoniensis*, Phillips sp. from the Oxford Clay. (Ann. Mag. Nat. Hist. ser. vi., vol. xv., p. 333, with four illustrations.)

3. Note on the Skeleton of a Young Plesiosaur, from the Oxford Clay, Peterborough. (Geol. Mag. 1895, p. 241, pl. ix., and one illustration in the text.)

4. On the Structure of the Skull of *Peloneustes philarchus*, from the Oxford Clay. (Ann. Mag. Nat. Hist., ser. vi., vol. xvi., p. 242, pl. xiii., and three illustrations in the text.)

5. On the Pectoral and Pelvic Girdles of *Muræenosaurus plicatus*. (Ann. Mag. Nat. Hist., ser. vi., vol. xvi., p. 429, three illustrations in the text.)

6. The Problem of Primæval Sharks. (Nat. Sci., vol. vi., 1895, pp. 38–43.)

7. Note on Megalosaurian Teeth from the Portlandian of Aylesbury. (Proc. Geol. Assoc., vol. xiv., 1895, pp. 31–32.)

8. On two Deep-bodied Species of the Clupeoid Genus *Diplomystus*. (Ann. Mag., Nat. Hist., ser. vi., vol. xv., 1895, pp. 1–3, pl. I., figs. 1–4.)

9. Note on a supposed Tooth of *Galeocerdo* from the English Chalk. (Ann. Mag., Nat. Hist., ser, vi., vol. xv., pp. 4–5, pl. I., figs. 5–7.)

10. On the Devonian Ichthyodorulite, *Byssacanthus* (*ibid*, pp. 142–144).

11. A Description of the so-called Salmonoid Fishes of the English Chalk. (Proc. Zool. Soc., 1894 (1895), pp. 655–664, pls. xlii., xliii.)

12. A Contribution

12. A Contribution to Knowledge of the Fossil Fish Fauna of the English Purbeck Beds. (Geol. Mag., Dec. iv., vol. ii., 1895, pp. 145–152, pl. vii., figs. 1–9.)

13. On the Liassic Fish *Osteorachis macrocephalus* (*ibid.* pp. 204–206, pl. vii., fig. 10.)

14. A Synopsis of the Remains of Ganoid Fishes from the Cambridge Greensand (*ibid.*, pp. 207–214, pl. viii.)

15. A Description of *Ceramurus macrocephalus*, a small Fish from the Purbeck Beds of Wiltshire (*ibid.*, pp. 401, 402).

16. On a collection of Fossils from Madagascar. (Quart. Journ. Geol. Soc., 1895, vol. li., pp. 72–91, pls. 2 and 3.)

17. On some new species of British Eocene Gasteropoda. (Proc. Malacological Soc., 1895, vol. I., pp. 326–322, pl. xxii.)

18. A Short Account of the Ammonites and their Allies, as exhibited in the Cephalopod Gallery at the British Museum (Natural History). (Geol. Mag., 1895, pp. 391–400, 22 illustrations in the text.)

19. On a well-marked Horizon of Radiolarian Rocks in the Lower Culm Measures of Devon, Cornwall, and West Somerset, with descriptions of the Fossils. (Quart. Journ. Geol. Soc., vol. li., pp. 609–669, pl. xxviii.)

20. Contributions to the Palæontology and Physical Geology of the West Indies. (Quart. Journ. Geol. Soc., vol. li., pp. 255–310, pl. xi.)

21. A Revision of the British Jurassic Bryozoa, Part I. The Genus *Stomatopora*. (Ann. Mag., Nat. Hist., series iv., vol. xv., pp. 223–228.)

22. Part II. Genus *Proboscina* (*ibid.*, vol. xvi., pp. 447–451.)

23. Part III. Genus *Berenicea* (*ibid.*, vol. xvii., pp. 41–49.)

24. The Geology of Mount Riuenzori. (Quart. Journ. Geol. Soc., vol. li., pp. 669–680.)

25. On a collection of Fossils from the Lower Greensand of Great Chart in Kent. (Geol. Mag., Dec. iv., vol. ii., pp. 97–103.)

V.—*Work of the Mason-Formatore and Assistant-Mason.*

Reducing, squaring, and imbedding in frames numerous fossil fishes from the Chalk, the Lias, and the Carboniferous formations.

Colouring, making ironwork, and mounting skeleton of *Pariasaurus*, and preparing for mounting, casts of *Megatherium Americanum* and *Elephas ganesa*, for exchange with the Royal Museum of Natural History, Brussels.

Setting up complete skeleton of *Iguanodon bernissartensis* in the Reptile Gallery; altering arrangement of bones of feet of same skeleton, and making model of foot of *Moa* for comparison.

Mending, reducing, developing, and mounting various reptilian remains, chiefly *Iguanodon*, *Ornithopsis*, and *Hypsilophodon*, from the Wealden, I. of Wight, from Mr. J. W. Hulke's Collection; including the restoration of a second foot of *Iguanodon*.

Restoring missing parts of Plesiosaurian specimen ("Leeds Collection") preparatory to mounting same.

Restoring missing parts in skeleton of *Cynognathus*, and making moulds of S. African fossils. Preparing and repairing cranium of *Titanotherium* for exhibition.

Modelling a mandible of *Dinotherium*, and re-mounting skull and lower jaw, including the making of new ironwork for same.

Making and colouring casts for the Museum, and for purposes of exchange with other Museums.

About 30 moulds and 65 casts of fossils have been made during the year.

Numerous blocks of Older Pliocene breccia from Olivola, in the Carrara Mountains, Italy, have been worked out, and many fossil remains more or less completely developed from the matrix.

Remains of *Cynognathus*, *Gomphognathus*, *Galesaurus*, *Procolophon*, etc., obtained from the Karoo Formation, South Africa, by Prof. Seeley, F.R.S., have been developed from the matrix.

Various Plesiosaurian remains, parts of the Leeds Collection, have also been developed and put together.

Reducing, mending, and developing specimens of Cephalopoda and other Mollusca, and making numerous sections, mounted on glass, of corals, etc.

Making sections of Mammalian teeth for the Index Museum.

Making alterations in the rock-work background of wall-case for Solan geese in Bird Gallery (Zool. Dept.).

VI.—*Printing Labels.*

During the past year the work of preparing and printing labels has been actively carried on in the Department, and much good service has been rendered thereby to the Collections.

For the Index Museum 47 descriptive labels and 177 ordinary labels have been "set up"; and 3,056 copies struck off.

For the Stratigraphical cases, Gallery XI., 12 labels have been "set up," and 72 copies printed off.

For the Fossil Mammalia, Aves, and Reptilia, 508 labels have been "set up," and 4,830 copies struck off.

For

For the Fossil Fishes, 381 labels have been "set up," and 2,806 copies struck off.

For the Cephalopoda, etc., 76 labels have been "set up," and 499 copies struck off.

For the Foreign Tertiary Mollusca, 334 labels have been "set up," and 1,970 copies struck off.

For the Bryozoa, etc., 45 labels have been "set up," and 586 copies printed off.

The total number of labels composed was 1,580, and the number of copies printed off was 13,819.

VII.—*Acquisitions.* 1.—*By Donation.* A.—VERTEBRATA.

1. *Mammalia.*—A Molar tooth and portion of a tusk of Mammoth, also some other fragmentary bones, from the Gravel, Tooting. Presented by Mr. C. F Newman.

A tail-sheath of *Hoplophorus* from the Alluvial deposits of Uruguay, South America. Presented by Alex. K. Mackinnon, Esq., F.G.S., etc.

A Plaster cast of calvarium of *Pithecanthropus erectus*, Dubois, from Java. Presented by Dr. Eugene Dubois.

A collection of Flint implements from Crayford, Kent, associated with Mammalian Bones, including portions of a Rhinoceros mandible, with Flint-flakes attached, figured and described. Quart. Journ., Geol. Soc., 1880, vol. xxxvi., p. 544, pl. xxii. Also other specimens from Erith, Swanscombe, Milton St., and Ebbsfleet, the latter figured in the Journal of the Anthropological Institute, 1883. Presented by F. C. J. Spurrell, Esq., F.G.S., etc., etc.

2. *Reptilia.*—Middle portion and proximal end of humerus of *Eosphargis gigas*, from the London Clay, Sheppey. Pre sented by W. H. Shrubsole, Esq., F.G.S.

Three hundred and eighty-seven specimens of Fossil Reptilia from the Wealden, Isle of Wight, embracing remains of the skeleton of *Iguanodon bernissartensis*, of *Hypsilophodon Foxii*, *Ornithopsis Seelyi*, Crocodilian and Pterodactylian bones. Also remains of *Ichthyosaurus*, *Plesiosaurus*, and *Nothosaurus* from various localities, the collection of the late Mr. J. W. Hulke, F.R.S. Presented by Mrs. Hulke.

Fifteen casts of Reptilian remains from South Africa, and two originals which are referred to the genus *Procolophon*. Presented by Dr. Selmar Schönland, F.L.S., F.G.S.

Two teeth of a Sauropodous Dinosaur from the Portlandian, Beagle Hill, Hartwell; also five teeth of *Megalosaurus*, from the same formation and locality (described in Proc. Geol. Assoc., vol. XIV., p. 31.) Presented by J. Alstone, Esq.

The skull and greater part of the skeleton of *Cynosuchus craterodon*, a skull of *Cynosuchus sp.*, a femur and fibula of *Tribolodon frerensis*, two skulls and humerus of *Gomphognathus polyphagus*, fore-limb and portion of the vertebral

column of *Herpetochirus brachycnemis*; and humerus, part of scapula, portion of skull and cast of brain-case of *Theromus leptonotus*: also dentary bone of *Tribolodon*, and skulls of *Cryptocynodon* and *Pristerognathus*, from the Karoo Beds, South Africa. (Figured and described in Trans. Royal Soc., vol. 185B., pp. 59–148, figs. 1–18.) Presented by Professor H. G. Seeley, F.R.S., F.G.S., through the Royal Society.

Five casts of bones of *Gresslyosaurus ingens*, Rüt. 1856 (described in the Jahrb. für Min., 1857, pp. 141–152.) The originals from the Bone bed (Keuper), near Basel. Presented by Dr. L. Rutimeÿer.

3. *Pisces.*—A specimen of *Palæospondylus Gunni*, from the Old Red Sandstone, Achanarras, Caithness. Presented by James Reid, Esq.

A new and undescribed Fish-bone, from the Oxford Clay, Fletton, Hunts. Presented by A. N. Leeds, Esq., F.G S.

One tooth of *Callopristodus*, from the Lower Carboniferous, Lennel, near Coldstream Bridge, Berwickshire. Presented by Miss Potter.

Four portions of tail of a large Xiphioid Teleostean fish, from the Miocene of Malta. Presented by P. T. Godsal, Esq.

One left splenial dentition of *Mesodon Damoni*, A. S. Woodw., from the Portlandian, Beagle Pit, Hartwell. Presented by J. Alstone, Esq.

A splenial of *Gyrodus*, from the Kimmeridge Clay, Weymouth. Presented by George Clifton, Esq.

A specimen of *Microbrachius Dicki*, Traquair, from the Old Red Sandstone, Orkney. Presented by John S. Flett, Esq., M.A., M.B., B.SC.

A portion of trunk of *Belonostomus Sweeti*, Eth. and Woodw., from the Cretaceous of Queensland. Presented by George Sweet, Esq., F.G.S.

Remains of 12 specimens of Fossil Fishes, from the Rhætic and Oolitic formations of England. Presented by Edward Power, Esq.

The type of *Pleuropholis crassicauda*, Egerton, from the Purbeck, Swanage (figured and described, Dec. ix., Geol. Surv., 1858, No. 7, pl. vii., f. 2.) Presented by the Rev. P. B. Brodie, M.A., F.G.S.

Portions of dermal plate of *Psammosteus Taylori*, Traq. from the Upper Old Red Sandstone, Elgin. Presented by William Taylor, Esq.

Dentary bone of a large species of *Portheus*, from the Lower Chalk, Burham. Presented by G. E. Dibley, Esq., F.G.S.

B.—Invertebrata.

(*a*) *Mollusca.*—Seventeen specimens of Terrestrial Gasteropoda, *Helicina*, *Bulimus*, *Succinea*, *Cistula*, and *Helix*, from the Quaternary Marl-beds of Antigua, West Indies. Presented by Francis Watts, Esq.

Ten specimens of Fossil Mollusca, from the Miocene Rocks of Antigua. Presented by W. R. Forrest, Esq.

A small slab of Old Red Sandstone from Talgarth, containing examples of a large species of *Anodonta*. Presented by Percy Hawkins, Esq.

A collection of about 100 specimens of Mollusca, &c., from the Post Tertiary of Madagascar; illustrating a paper by R. B. Newton and Rev. R. Baron (*see* Quart. Journ. Geol. Soc., 1895, vol. ii., pp. 72–91, pls. 2 and 3). Presented by the Rev. Richard Baron, F.G.S.

A specimen of *Agriolimax agrestis* and one of *Littorina rudis*, from the Pleistocene, Crayford. Presented by A. S. Kennard, Esq.

Three specimens of *Unio tumidus*, and three *U. littoralis*, from the Pleistocene of Brentford. Presented by Mrs. Belt.

Two specimens of *Axinœa* (*Pectunculus*), from the Tertiary rocks of New Zealand. Presented by Mr. C. T. Glenny.

A specimen of *Ammonites* (*Arietites*) *Bucklandi*, from the Lower Lias, Over, near Gloucester. Presented by W. C. Lucy, Esq., F.G.S.

Two specimens of *Temnocheilus coronatus*, M'Coy, from the Carboniferous Limestone, Stebden Hill, near Cracoe, Yorkshire (figured Geol. Mag., Dec. iv., vol. i., 1894, p. 296.) Presented by E. J. Garwood, Esq., B.A., F.G.S.

Five hundred Liassic and Oolitic Lamellibranchiata and Brachiopoda, and a hundred and fifty-five Liassic and Jurassic Ammonites, from various localities. Presented by Edward Power, Esq.

Thirty Gasteropoda, and sixteen Lamellibranchiata, from the Post Pliocene Deposits of Twickenham. Presented by Dr. J. R. Leeson, F.G.S.

Sixteen specimens of Mollusca preserved as natural casts from the Post Pliocene rocks of Lime Island and Porto Santo. Presented by C. F. R. Blandy, Esq.

One Belemnite from the Kimmeridge Clay at Aylesbury. Presented by J. Alstone, Esq.

Twelve Gasteropoda, twelve Lamellibranchiata, &c., from the Upper Pliocene of Egypt Presented by Major H. G. Lyons, R.E., F.G.S.

Four pieces of Shell-conglomerate containing *Cardium*, *Pinna*, *Circe*, *Tellina*, &c. Post Pliocene, Flint Cliff, Sharks Bay, Western Australia. Presented by W. Saville Kent, Esq., F.L.S., F.Z.S.

A Pecten in a silicified pebble from the Chesil Beach, Portland. Presented by George Clifton, Esq.

The type specimen of *Trigonia detrita*, Terq. and Jourd. from the Forest Marble, Cirencester (figured and described by Lycett, Mon. Pal. Soc., 1874, p. 75, pl. x., fig. 3). Also a cast of *Nautilus* in quartz, from the Upper Greensand, Shaftesbury. Presented by Rev. P. B. Brodie, M.A., F.G.S.

(*b*) *Brachiopoda*.—Eight Brachiopods, *Productus plicatus*, *P. concentricus*, *P. lævipunctatus*, *Chonetes retispina*, *C. Laguessiana*, *Leptæna anolonga*, *Orthothetes crenistria*, and one *Athyris*, from the Lower Culm Measures. (Figured and described in Quart. Journ. Geol. Soc., vol. ii., 1895, pp. 609–668, pl. xxviii.) Presented by Dr. G. J. Hinde, F.G.S., and Howard Fox, Esq., F.G.S.

Three *Terebratula depressa*, Lamarck, from the Lower Greensand, Isle of Wight, and one *T. grandis*, Sby., from the Black Crag, Antwerp. Presented by Professor E. Ray Lankester, M.A., LL.D., V.P.R.S.

The type-specimen of *Lingula ovalis*, Sby (figured and described in Min. Con., tab. 19, fig. 4), from the Oolite, Wiltshire ; also the type of *L. Brodiei*, Davidson (Mon. Pal. Soc., 1883, vol. v., p. 204, pl. xvii., fig. 4), from the Woolhope limestone at Little Hope Quarries, Woolhope. Presented by the Rev P. B. Brodie, M.A., F.G.S.

(*c*) *Bryozoa*.—Nine specimens of Permian Bryozoa, from Cullercoats. Presented by R. Howse, Esq.

(*d*) *Insecta* and *Crustacea*.—Twelve specimens of *Phillipsia* from the Yoredale series, River Hodder Bank. (Figured and described in Geol. Mag., 1894, pp. 481–489, pl. xiv.) Presented by the Rev. J. C. H. Pollen, S.J., F.G.S.

Four specimens of *Triarthrus Becki* (showing legs), from the Green Utica Slates, Rome, New York, U.S. Presented by Professor O. C. Marsh, M.A., F.G.S., &c.

Five specimens of Crustacea, *Phillipsia Cliffordi*, *P. minor*, *P. Leei*, and *Griffithides acanthiceps*, from the Lower Culm Measures, North Devon. (Figured and described in Quart. Journ. Geol. Soc., vol. ii., 1859, pp. 609–668, pl. xxviii.) Presented by Dr. G. J. Hinde, F.G.S., and Howard Fox, Esq., F.G.S.

(*e*) *Echinodermata*. — A specimen of *Forbesocrinus nobilis*, from the Carboniferous Limestone, Reesdale, near Bellingham, Northumberland. Presented by Professor J. W. Judd, C.B., LL.D., F.R.S.

Seven Echini from the Jurassic, and a small series from the Cretaceous formations of England. Presented by Edward Power, Esq.

(*f*) *Actinozoa*.—Two *Pleurodictyum Dechenianum*, from the Lower Culm Measures, North Devon, presented by Dr. G. J. Hinde, F.G.S., and Howard Fox, Esq., F.G.S.

One

One specimen of *Petraia gigas*, from the Devonian of Cornwall. Presented by J. H. Collins, Esq., F.G.S.

Thirty-five Silurian Corals from the Niagara Falls, North America; ninety-five Carboniferous Corals from the Bristol Area, five Jurassic and six Cretaceous Corals. Presented by Edward Power, Esq.

(*g*) *Protozoa, etc.*—A specimen of *Tetradium fibratum, var. minus*, from the Lower Silurian, Bardstown, North America. Presented by W. Cunnington, Esq., F.G.S.

Two specimens of *Brachiospongia digitata*, Owen sp., Ordovician, Franklin Co., Kentucky, by Professor O. C. Marsh, M.A., F.G.S., &c.

A Lithistid Sponge from the Upper Chalk. Found in the Flint-Gravel at Croydon. Presented by W. F. Stanley, Esq., F.G.S.

All the figured specimens illustrating the Deep-sea deposits collected during the "Challenger" expedition, see vol. 1891, and figured on Plates I. to X. Also five hundred and forty Tubes containing samples of soundings, labelled at the time. Presented by Dr. John Murray, F.R.S., &c.

C.—Plantæ.

A branch of a silicified coniferous tree, from the Purbeck beds, or "Portlandian" of Tisbury, Wilts. Presented by J. Benett-Stanford, Esq., &c., &c.

A bract of *Lepidophyllum* from the Coal-Measures of Nottingham. Presented by Master D. S. Robertson.

Twenty slides containing mounted Dicotyledonous seeds, &c. Presented by Dr. J. R. Leeson, F.G.S.

Four specimens of *Koshnella Hostiensis* from the Silurian of Bohemia. Presented by Prof. Palacky.

A piece of silicified wood from Calistoga, north of San Francisco, California. Presented by W. F. Sinclair, Esq.

II.—*By Purchase.* A. Vertebrata.

1. *Mammalia.*—A tooth of *Elephas primigenius*, three antlers of young Reindeer, and parts of Red-deer antlers.

Fourteen mammalian remains from Dakota.

A cranium and detached horn of *Rhinoceros tichorhinus*, from Siberia.

Lower jaw, limb bones, and teeth of *Hippopotamus madagascariensis*, and the femur of a small mammal, from the Newer Tertiary, Madagascar.

Forty-nine remains of vertebrata, from Kent's Cavern, Torquay, and from Lavenham.

A skull of *Titanotherium*, from the Eocene formation, Wyoming Territory, N. America.

Forty bones and teeth of mammalia, from the Quaternary deposit at Bedford.

Two Cetacean Teeth, one periotic and two tympanic bones, from the Miocene of Victoria.

A series of sixty-five mammalian remains, comprising *Felis, Machairodus, Hyæna, Ursus, Rhinoceros, Sus Strozzi, Cervus dicranios, Leptobos*, &c., from the Pliocene Tertiary, Olivola, Val-di-Magra, Italy.

Part of a jaw of *Rhinoceros Merckii* from the Miocene, Weimar, and a portion of a tooth of *Mastodon* from the Red Crag, Suffolk.

Stylodon pusillus, Purbeck, Swanage (figured in the Geol. Mag., 1866, pl. x., figs. 1, 2), and *Spalacotherium tricuspidens*, Purbeck, Durdleston Bay (figured in Quart. Jour. Geol. Soc. 1854, p. 429, woodcut).

2. *Aves.*—Fifteen remains of *Æpyornis* from the Newer Tertiary, Madagascar.

Two small feathers of an undescribed bird from the Oligocene, Gurnet Bay, Isle of Wight, noticed in the Proc. Warwickshire Field Club, 1890, p. 10.

3. *Reptilia.*—A specimen of *Alytes* (*Rana*) *Troscheli* from the Miocene, Brown-Coal, Rott near Bonn.

Anterior portion of mandible of *Steneosaurus* (*Sericodon*) *jugleri*, Meyer, also a middle portion of skull showing palate of young *Steneosaurus*, from the Pteroceras Limestone, Langenberg, Goslar, Hanover.

Twenty vertebræ of *Mosasaurus* from the Chalk of Norwich, and one Chelonian bone.

Nine specimens of Amphibians from the Coal-Measures of Linton, Ohio, described by Cope and Newberry.

Part of a jaw of *Sarcolestes Leedsii*, two Crocodiles (*Steneosaurus*), thirty-six bones of *Cryptoclidus* sp., a specimen of *Metriorhynchus*, from the Oxford Clay, Fletton, near Peterborough.

Thirty-six remains of Labyrinthodonts, from the Coal-Measures of Ohio, U.S.A., and England.

A cast of *Erpetosuchus grantii*, and a portion of a Teleosaurian snout; from the Oxford Clay.

A Chelonian head and bone, from the Eocene at Bracklesham.

Figured specimens of *Oolithes sphæricus*, from the Stonesfield Slate, Gloucestershire, and *Plesiochelys brodiei*, from the Wealden, near Atherfield. *Hyperodapedon*, from the Keuper Sandstone, Coton End, Warwick; a large vertebra of *Ichthyosaurus*, from the Rhætic (bone bed), Westbury Cliff, and *Rhamphocephalus* from the Stonesfield Slate, Eyeford (noticed in Quart. Jour. Geol. Soc., and in Ann. Mag. Nat. Hist.).

Seven specimens of *Branchiosaurus Petrolei* and *B. amblystomus*, from the Permian, Saxony.

4. *Pisces.*

4. *Pisces.* — Fourteen Pycnodont fish teeth from the Kimmeridge, Hanover, three fishes from the Neocomian of Dalmatia, and four fishes from the Island of Lesina.

Seven specimens of Fossil Fishes from Wyoming.

A new Purbeck fish and two palates from Upwey; also a palate and counterpart with one tooth; four Portlandian fish-jaws and two palates; also one fish from Weymouth.

One *Pycnodus* sp. nov., from the Eocene, Bracklesham, and one *Gyrosteus*, from the Upper Lias, Whitby.

Five Old Red Sandstone Fishes, of the genera *Dipterus*, *Cheiracanthus*, and *Cheirolepis*, from the Caithness flagstones, near Thurso, N.B.

One Fossil Fish from the Gault, Folkestone, one *Belonorhynchus* from the Muschelkalk, one *Macrosemius* from Solenhofen, and one undetermined fish.

One *Belonostomus*, four *Pholidophorus*, one *Cobitis*, one *Megalurus*, one *Thrissops*, and one *Leuciscus*, also four Carboniferous fish teeth.

One *Beryx superbus*, one *B. radians* from the Chalk, Sussex, and a specimen of *Macropoma Mantelli*, and counterpart; a *Leptolepis* and *Hybodus*, from the Purbeck, and a portion of the jaw of *Ischyodus*, from Portland.

Forty Fish remains from the Devonian of Livonia.

Remains of *Acrolepis Hopkinsi*, from Yoredale Rocks, Hebden Bridge; a portion of bone-bed with teeth from Yoredale Rocks, Wensleydale; five Lr. Carboniferous fish-remains; twenty-six spines of Pleuracanthidæ from the Yorkshire Coal-Measures, chiefly types; ninety-seven fish remains from English Coal-Measures, including types of *Ctenacanthus æquistriatus*, *Hoplonchus elegans*, *Pleurodus affinis*, *Ostracacanthus dilatatus*, and *Cœlacanthus tingleyensis*; seventeen fish-remains from Linton, Ohio; types of *Hybodus austiensis*, *H. punctatus*, *Sphenonchus obtusus*, *Ctenoptychius ordi*, *Cladodus curtus*, also *Nemacanthus monilifer*, and "*Ctenoptychius pectinatus*," from the Rhætic of Aust Cliff; type and figured specimens of *Palæospinax priscus*, *Ptycholepis gracilis*, *Lissolepis serratus*, *Chondrosteus acipenseroides*, *Heterolepidotus minor*, and *H. grandis* from the Lower Lias, Lyme Regis; type of *Spaniodon brevis*, from Mount Lebanon, and one hundred and twenty-seven other fish-remains, including teeth, from the Cretaceous, and from the Lias of Lyme Regis. (Mr. James William Davis's collection.)

Types and figured specimens of *Acrodus keuperinus*, *Ceratodus lævissimus*, *Palæoniscus superstes*, *Phœbodus Brodiei*, and *Semionotus Brodiei*, from the Keuper, Warwickshire, *Tetragonolepis discus*, *Leptolepis concentricus*, from the Upper Lias, Dumbleton, and *Ceramurus macrocephalus*, *Leptolepis Brodiei*, *L. nanus*, *Oxygonius tenuis*, from the Purbeck of the Vale of Wardour; also *Pleuropholis crassi-*

caudus from the Purbeck, Durlestone Bay, Dorsetshire. (Part of the Rev. P. B. Brodie's collection.)

A specimen of *Acanthaspis prumensis* from the Devonian of Prum, Eifel, and two *Beryx* from the Lr. Chalk, Folkestone.

B.—INVERTEBRATA.

(*a.*) *Mollusca.*—Types and figured Mollusca from the collection of the Rev. P. B. Brodie, *Alaria sorieri*, var. *gracilis*, *A. solida*, *Patella inornata*, *Solarium cotswoldi*, and *Pinna hastata*, from the Inferior Oolite, Leckhampton and Stroud; *Patella sabrina*, Lower Lias, Vale of Gloucestershire, *Nucula keuperina*, *Pholodomya Richardsi*, and *Thracia Brodiei*, from the Keuper, Warwickshire; also *Trigonia detrita*, from the Forest-marble, Tetbury; and other Mollusca.

Four hundred and thirty-four Foreign Jurassic fossils, chiefly Mollusca.

A slab of *Belemnites* from the Lias, Whitby; also sixty other Mollusca from various formations and localities.

One *Orthoceras* from the Silurian of Sweden; three Oolitic Mollusca from Bonn; seven from the Gault of Folkestone, and fifty-eight from other localities.

A specimen of *Nautilus* from the London Clay, Highgate; one *Ammonites capricornis*, two *Alectromya frons*; three *Bellerophon*; one *Murchisonia*; also twenty-nine Mollusca from the Upper Cretaceous, and six from the Oligocene of Bulgaria.

Two large specimens of *Nautilus*, and twenty *Belemnites*, from the Oxford Clay of Bedford.

A slab from the Lower Lias, Frodingham, Lincolnshire, containing *Cardinia Listeri* and *C. crassiuscula*; and three Oolitic Mollusca, from Brora.

One new species of *Trochus*, one *Inoceramus sulcatus*, and one *I. concentricus* from the Gault of Folkestone.

A specimen of *Trachyteuthis*, one *Balantium recurvum*; one *Pecten lamellosus*, the last from the Island of Portland; also three *Baculites compressus* from the Cretaceous, Dakota, U.S.A.

(*b.*) *Brachiopoda* and *Bryozoa.*—Three figured Brachiopoda, *Lingula Brodieiana* from the Woolhope Limestone, *L. Brodiei* from the Coralline Oolite, Oxford, and *L. ovalis* from the Coral Rag, Weymouth; also six other Brachiopods. (Part of Mr. Brodie's collection).

Sixty-four Bryozoa, from the Wenlock Limestone, Dudley, and three from the Inferior Oolite, Gloucestershire.

(*c.*) *Crustacea* and *Insecta.*—Type specimens of *Aeger Brodiei*, Lower Lias, Wilmcote, Warwickshire, *Eurypterus Brodiei*, Upper Ludlow, Leintwardine, Shropshire, and *Archæoniscus Brodiei*, from the Purbeck, Dinton, Vale of Wardour. (Part of Mr. Brodie's collection.)

A series

A series of Crustacean remains, including claws of *Eryma*, from the Oolite of Portland ; also thirty *Limuli*, and twenty-three Insects from the Coal-Measures, Dudley.

Eighteen remains of *Pterygotus* from the Upper Silurian of Oesel, Baltic.

Fifteen Crustacea from various localities and formations, and a specimen of *Glyphæa* from the Stonesfield Slate.

An impression and counterpart of fossil Scorpion *Cyclophthalmus senior*, from the Steinkohl formation, Radowitz, Bohemia.

(*d.*) *Echinodermata.*—A series of Echinodermata from the collection of Rev. P. B. Brodie, amongst which are the following types and figured specimens: *Acroura brodiei*, Middle Lias, Cheltenham ; *Actinometra cheltonensis*, Inferior Oolite, Cheltenham ; *Antedon incurva*, Upper Greensand, Blackdown ; *Antedon laticirra*, Chalk, Wylye, Wiltshire ; *Arbacia nodulosa*, Great Oolite, Sevenhampton ; *Cidaris smithi*, Coralline Oolite, Oxfordshire ; *Echinobrissus Brodiei*, and *Hemicidaris brillensis*, Portland Oolite, Brill, Bucks ; and *Ophiolepis Ramsayi*, Lower Lias, Hatherley.

Thirty-three Cystidea, and fifty-five Crinoids from the Wenlock Limestone, Dudley, also fourteen other Echinoderms from various localities.

Two specimens of Echinodermata from the Upper Cretaceous formation, Bulgaria.

A fine slab, covered with specimens of *Uintacrinus socialis* from the Upper Cretaceous Beds of Western Kansas, U. S. North America (described by F. A. Bather, Zool. Soc., Lond., Dec. 17th, 1895).

(*e.*) *Actinozoa.*—Eight specimens of Corals from the Upper Cretaceous, and one from the Lower Cretaceous of Bulgaria.

One specimen of *Thecosmilia annularis* from the Coral Rag, Wiltshire.

A series of specimens of coral, including three figured and described, viz., *Montlivaltia foliacea* from the Middle Lias, Charmouth ; *M. victoriæ*, Middle Lias, Cherrington ; also *M. Ruperti*, Lower Lias, of Hatherley.

A collection of Stromatoporoids figured and described by Professor H. A. Nicholson, one hundred and fifty-three being "types," and one thousand two hundred and eighty-four being Microscopic sections (*see* Monograph of the British fossil Stromatoporoids, by Professor H. A. Nicholson, parts 1 to 4, 1885–1892, pp. 234, plates I–29, 4to. Palæontographical Soc., Lond.)

(*f.*) *Protozoa.*—Sixteen specimens of Foraminifera mounted on glass.

The figured specimens of *Craticularia calathus* from the Lower Gault, Cambridge, and *Platychonia Brodiei*, Middle

Lias, Ilminster, Somersetshire, and other Sponges. (From Mr. Brodie's collection.)

One hundred and eighty-four fossil Sponges from the Chalk and Coral Rag; the following specimens are figured by Dr. Hinde in Mon. Pal. Soc.: *Holcospongia polita, H. floriceps, H. gregaria, Corynella chadwicki, C. langtoni, Blastinia aspera.*

C.—Plantæ.

Fifty-nine Fossil Plants from the Oolite of Scarbro', and five from the Wenlock Limestone, Dudley; also a slab containing Plant-remains.

Thirty Miocene Plant-remains from Bulgaria; a new and undescribed Cycadean stem from the Purbeck beds, Isle of Portland; and seven other Plants.

A series of Fossil Plants, amongst which are the following figured specimens: *Araucarites brodiei* from the Stonesfield Slate, Gloucestershire; *Equisetum brodiei*, Lower Lias, Strensham, Worcestershire; *Naiadites lanceolata, N. obtusa*, and *N. petiolata* from the Rhætic, Bristol (described by Prof. Buckman in the Geology of Cheltenham, by Sir R. I. Murchison, 2nd Edition, 1845).

The total number of specimens acquired during the past year has been as follows:—

A.—Vertebrata:		
By Donation - - - - -	361	
„ Purchase - - - - -	5,011	
„ Exchange - - - - -	3	
		5,375
B.—Invertebrata:		
By Donation - - - - -	1,337	
„ Purchase - - - - -	2,508	
		3,845
C.—Plantæ:		
By Donation - - - - -	34	
„ Purchase - - - - -	112	
		146
Total Acquisitions in 1895 - -		9,366

VIII.—*Lectures and Demonstrations.*

On February 3rd, Dr. Gregory gave a Demonstration to Mrs. Day, and 60 Members from St. James's and St. John's Holloway Branch of the University Extension.

Dr. Woodward gave the following Lectures and Demonstrations :—

On February 26th, to Mrs. Bushel and a party of 21 Students.

On April 27th, to 25 Members of the South Place Ethical Society.

On June 1st, to 25 Members of the Ealing Microscopical and Natural History Society.

On June 8th, to a joint party of 12 Students from Toynbee Hall, and 12 working men from the parish of St. John's, Chelsea, conducted by the Rev. F. A. Wilkinson.

On July 5th, to 35 Students from the Royal College of Science.

And on July 6th, to 30 Members of the Holloway branch of the London Society for the Extension of University Teaching.

IX.—Students.

The number of visits from Students and Readers who have consulted the collections and the Geological Library for the purposes of scientific work during the past year, and who have received assistance from members of the staff, was 5,986.

Henry Woodward.

Department of Geology,
14 February 1896.

Department of Mineralogy.

The Staff and its Duties.

The staff of the Mineral Department consists of the Keeper, three Assistants, four Attendants and one Boy-Attendant. The duties are generally distributed as follows:—

Three Assistants.—To one is assigned most of the *physical* and executive work relating to the collection of *mineral species;* this includes the preliminary examination of specimens submitted for purchase or exchange, the registration and incorporation of those recently acquired, the determination of the physical and geometrical characters, and the preparation of species-, variety-, and locality-labels.

To a second is assigned similar work relative to the specimens of *rocks*.

To the third is assigned the *chemical analysis* of both *minerals* and *rocks*.

Though a mineralogist can no longer satisfactorily attempt to keep abreast of scientific knowledge and undertake original research in more than one of the three main branches of the subject (physical, petrological, and chemical), such a sharp limitation of the work of the assistants would be contrary to the interests of the Museum; hence, as far as possible, it is arranged that each assistant has the opportunity of acquiring a general knowledge of the specimens preserved in the department, and of thus becoming more useful than he otherwise would be during the absence of his colleagues.

Four Attendants.—One is specially employed in the preparation of thin sections of minerals and rocks for examination with the microscope; a second is charged with the arrangement and cataloguing of the departmental library; the two others with the more mechanical work of the chemical laboratory, the packing and unpacking of specimens, copying, &c.

One Boy-Attendant.—The boy-attendant is charged with the sale of the departmental guides, attends on the superior officials as required, and does a large part of the simpler mechanical work, such as the filling of trays with cotton-wool.

The general duties of dusting the cases, assisting in the Gallery, &c., are also performed by the attendants and boy-attendant.

General.

Quantitative analyses of two new Brazilian minerals, discovered and presented by Dr. E. Hussak—namely, Lewisite, a titano-antimonate of calcium and iron, and Zirkelite, a titano-zirconate of calcium—have been completed, and the results have been published; a quantitative analysis has also been

been made of a zeolite from the Faroes, and a partial one of a pseudomorph after Pyrrhotite.

One hundred and thirty-three doubtful minerals have been qualitatively analysed and determined.

Descriptive catalogues of the specimens of Enargite and Fire-blende have been prepared, and that of Bournonite has been brought up to date.

Goniometric and optical determinations have also been made on specimens of Aragonite, Wulfenite, Plagionite, Wolfram, Rhodonite, Anhydrite, Crocoite and Pyrites.

The Pseudomorphs have been examined, and various doubtful specimens have been optically and chemically determined.

The registration and labelling of the rock-specimens belonging to old collections have been completed, and the duplicates have been at the same time set aside. In this connection, and for the slip-catalogue of the rock-sections, 285 micro-sections have been examined.

One hundred and forty-eight micro-sections of minerals, rocks and meteorites have been prepared, and six large specimens have been cut and polished.

New editions of the Student's Index and the Introduction to the Study of Minerals have been issued, and a new Guide-book—namely, "An Introduction to the Study of Rocks," pp. 118, 8vo., 6*d.*—has been published; a series of rock-specimens, to illustrate the latter, has been in course of selection and arrangement in six window-cases on the northern side of the Gallery; further, the series of typical rocks referred to therein has been largely extended, and now occupies all the 11 window-cases on the southern side of the Gallery. The re-arrangement and extension have been rendered feasible through the addition of a new table-case and a new window-case to those already in the Gallery, by the condensation of the Organic Compounds into a single table-case, and by the transference of the Crystal Models in part to a wall-case and in part to drawers.

The topographical arrangement of the reserve specimens of each mineral species has been continued and completed.

The mounting of 111 large specimens of minerals on separate polished stands, the labelling, and the arrangement of these specimens in a long wall-case in the Pavilion, have been completed.

The compartments containing drawers in the cases of the Gallery have been rendered more dust-proof, and many of the cases have been re-polished.

Resignation of Assistant.

The Department has to regret the loss of the services of Mr. H. A. Miers, First-Class Assistant for the past 13 years, as a consequence of his election to the Oxford Professorship of Mineralogy, an office now involving residence in the University.

Departmental Library.

To the Departmental Library have been added 231 separate works (in 159 volumes), 123 memoirs and pamphlets, and 19 parts of works not yet completed.

Of the above, 45 volumes and 122 memoirs and pamphlets were acquired by presentation or transfer; all of them, including 880 plates, have been registered and stamped.

Visitors.

The number of visits recorded as made to the Department, for purposes of consultation or study, is 2,073; of these, 1,284 were more especially for purposes of study.

Exchange.

An exchange has been arranged with Dr. Axel Hamberg, of Stockholm.

Duplicates.

Eight hundred and fifty duplicate specimens, namely, 200 specimens of minerals and 650 of rocks, have been given to the Wheelwright Grammar School, Dewsbury, Yorkshire, and 350 mineral specimens to the Europa Garrison Schools, Gibraltar.

Acquisitions.

One thousand three hundred and twenty-five specimens have been acquired during the year 1895, namely:—606 minerals, 708 rocks, and 11 meteorites. These have been registered, numbered, labelled and incorporated with the collection. The more important of them are as follows:—

Minerals.

By Presentation:

Corundum from Felsite, near South Brent, Dartmoor: by Dr. K. Busz.

Pickeringite; Newtyle Hill, Perthshire: by J. B. Corr, Esq.

Mackintoshite and Ruby, from North Carolina: by W. E. Hidden, Esq.

Idocrase; Piz Longhin: by Sir John Lubbock, Bart., F.R.S.

Caswellite; Franklin Furnace, New Jersey, U.S.A.: by Professor A. H. Chester.

Cassiterite, a large crystal; Selangore, Straits Settlements: by H. Harris, Esq.

Bröggerite; Raade, Moss, Norway: by Professor W. C. Brögger.

Zoisite;

Zoisite; Garve, Ross-shire: by Dr. Mackie.

Uintahite; Colorado, U.S.A.: by O. H. Howarth, Esq.

A worked implement of Jade from New Guinea: by R. J. Whitten, Esq.

Auriferous Quartz; Mashonaland: by J. J. Ffolliott Darling, Esq.

A small collection of minerals from Stassfurt: by Herr Weissleder.

Zirkelite and Lewisite (new minerals); Brazil: by Dr. E. Hussak.

Tetradymite; Dimallan, Western Australia: by A. O. Watkins, Esq.

Fuchsite; Halaghat, Mysore: by Dr. J. W. Evans, F.G.S.

Turquoise; New Mexico: by The Azure Mining Company, New York.

Quartz, doubly terminated prisms in Gypsum; Mári Hill, Punjaub: by F. G. Brook-Fox, Esq.

Green Opal containing Chromite; Western Australia: by H. Miles, Esq.

Pyrope; Brazil: by Orville Derby, Esq., F.G.S., and by E. F. Hooper, Esq.

Calcite, in acute rhombohedra; Corfe Castle, Dorsetshire: by Clement Reid, Esq., F.G.S.

Marcasite, as disc-shaped concretions in coal shale; Ashington, Northumberland; by Professor H. G. Seeley, F.R.S.

By Purchase:

Zincite, in sharp pyramidal crystals; Sussex County, New Jersey, U.S.A.

Lorandite, a new mineral, in crystals on Realgar; Allchar, Macedonia.

Euxenite, a large crystal; Hitterö, Norway.

Breithauptite, a well-crystallised group; Andreasberg, Harz.

A collection of crystals of Calcite, Cerussite, Sphene, Wulfenite, &c., which formerly belonged to Professor G. Rose, of Berlin, and afterwards passed into the possession of Professor G. vom Rath, of Bonn.

Molybdenite, a large crystal; Aldfield township, Quebec.

Martite, in large octahedra; Twin Peaks, Utah, U.S.A.

Cumengeite, in beautiful twinned groups; Boleo, Mexico.

Kylindrite; Poopo, Bolivia.

Dietzeite (new mineral); Taltal, Chili.

Jordanite, tarnished differently upon different faces; Binnenthal, Switzerland.

Whewellite, a very fine twin; Zwickau, Saxony.

Bröggerite; Raade, Norway.

Ten cut precious stones, namely, Ruby, Tourmaline, Diopside, three Sapphires, two Garnets, and two Opals.

Thorite, a large crystal, Xenotime, Orangite, Catapleiite, Astrophyllite; all from Eikaholmen, Norway.

Hæmatite, in rhombohedra with twin striations; Dognacska, Hungary.

Anatase, a brilliant clear crystal; Binnenthal, Switzerland.

Ferronatrite (new mineral); Sierra Gorda, Chili.

Knopite, in cubo-octahedra; Alnö, Sweden.

Tamarugite (new mineral); Cerros Pintados, Iquique.

Kröhnkite (new mineral); Chuquicamata, Chili.

Castanite (new mineral) and Coquimbite; Sierra de la Caparrosa, Chili.

Tarapacaite (new mineral), Darapskite, and Lautarite; Taltal, Chili.

Crocoite and Wulfenite; Penhalonga Hills, South East Africa.

Tilasite (new mineral) with Berzeliite; Långbanshyttan, Sweden.

Sphærocobaltite and Remingtonite; Boleo, Mexico.

Hanksite, as large columnar crystals, and Sulphohalite, a large octahedron; Borax Lake, California, U.S.A.

Scleroclase; Binnenthal, Switzerland.

Monazite, a large crystal of hemimorphic habit; Tvedestrand, Norway.

Leadhillite, as sharp green crystals; Leadhills, Lanarkshire.

Silver with corroded Argentite; Monte Narba, Sardinia.

Anglesite, in sharp pyramids; Badenweiler, Schwarzwald.

Cerussite, in sharp twinned crystals; Eleonora Erbst mine, Langenstriegis, Saxony.

Polybasite; Freiberg, Saxony.

Chalcomenite with Umangite; Sierra de Umango, Argentina.

Amethyst, with basal plane; Brazil.

Percylite; Challacollo, Chili.

Proustite; Marienberg, Saxony.

A collection of more than 900 crystals of Calcite, used by the late Professor Sansoni, of Pavia, in the course of his researches on the crystallised forms of Calcite.

Bertrandite; Mount Antero, Colorado.

Gold, crystallised; Morganton, North Carolina.

Epidote of a grey colour; Huntington, Massachusetts, U.S.A.

Crocidolite; Griqualand West, South Africa.

Ulexite; El Tirano, Peru.

Antimony, a large crystalline nodule; Borneo.

Natrolite crystals, with black terminal faces; Langesundfjord, Norway.

Stromeyerite; Mount Lyell, Tasmania.

Grossular Garnet, in bright green crystals; Dognacska, Hungary.

Bertrandite, twin crystals, and Phenacite; Ober-Neusattel, Bohemia

Tridymite; Euganean Hills, Italy.

Emplectite;

Emplectite; Cerro Blanco, Chili.
Apatite, clear green crystals; Gellivara, Sweden.
Alexandrite, heart-shaped twin crystal; Ekaterinburg, Russia.
Wolfram; East Pool mine, Cornwall.
Famatinite (new mineral) with Enargite; Upulungos mine, La Rioja, Argentina.

By Exchange:

Långbanite, Braunite and Schefferite; Långbanshyttan, Sweden.
Ganophyllite; Harstigen, Sweden.
Inesite; Jakobsberg, Sweden.
Calcite; Visby, Gotland, Sweden.
Hydrargillite; Eikaholmen, Sweden.

The following are the species new to the Collection which were acquired during 1895:—

Castanite, Dietzeite, Famatinite, Ferronatrite, Kröhnkite, Lewisite, Lorandite, Tamarugite, Tarapacaite, Tilasite and Zirkelite.

Rocks.

By Presentation:

Forty-eight specimens from the collection of the late Dr. J. W. Hulke, F.R.S.: by Mrs. Hulke.
Ijolite; Kunsamo, Finland: by Herr A. H. Petander.
A collection of 50 specimens from Devonshire: by A. R. Hunt, Esq., F.G.S.
One hundred and fifty-five specimens from Cottian Alps, Fichtelgebirge, Yellowstone Park, Montreal, &c.: by Dr. J. W. Gregory, F.G.S.
Twenty-one specimens from Skye: by Professor H. A. Miers, M.A., F.G.S.
A small collection from Isla de Flores, Monte Video: by A. K. Mackinnon, Esq., F.G.S.
Sixteen specimens from Auvergne: by W. C. Lucy, Esq., F.G.S.

By Purchase:

Borolanite; Loch Broom, Ross-shire.
A collection of Keratophyres from Westphalia.
Sanukite; Sanuki, Japan.
Bostonite; Marblehead, Massachusetts.
Sixteen specimens from Siam and the Malay Peninsula.
Forty one rocks from Finland.
A collection of 115 specimens, illustrating the contact-effects of the Granite and Syenite in the schist region of the Elbthalgebirge.

Meteorites.

By Presentation :

Bori, Central Provinces, India; fell 9th May 1894; weight 1,270 grams: by the Director of the Geological Survey of India.

Bishunpur, weight 359·9 grams, and *Parjabatpur*, weight 33·6 grams, North West Provinces, India; fell 26th April 1895: also by the Director of the Geological Survey of India.

Concepcion, Mexico; weight 47·3 grams: by W. Taylor. Esq.

By Purchase:

Nebraska; a slice weighing 1,882 grams.

Cañon Diablo, Arizona; a slice weighing 13,630 grams.

Zabrodje, Russia; fell 22nd September 1893; weight, 3·0 grams.

Vavilovka, Russia; fell 19th June 1876; weight 8·5 grams.

Launton, Oxon.; fell 15th February 1830; weight 1,022 grams.

Yenshigahara, Kagoshima, Japan; fell 26th October 1886; weight 28,123 grams.

Of the above meteorites, those of which the names are italicised were new to the Collection.

12th February, 1896. *L. Fletcher.*

Department of Botany.

During the past year 17,720 specimens have been named, mounted, and incorporated into the general Herbarium. These have been derived from many sources, and have proved to be additions to all parts of the Herbarium.

In the progress of the work the officers of the Department have been occupied as follows:—

Mr. E. G. Baker has principally been engaged in incorporating with the general Herbarium the Polypetalæ collected on Mount Kilimanjaro by Dr. Volkens; in Bulgaria by Blockj; at the Cape by Schlechter; in Costa Rica by Polakowsky; in Armenia by P. Sintenis; and in laying in portions of the Herbaria of Welwitsch, Beddome, Miers and Shuttleworth. The incorporation of *Leguminosæ*, made in various parts of Europe and West Asia, by various collectors, mentioned in last year's Report, has also been continued.

The

The African species of the genus *Eriosema* have been revised, and several novelties described and published. Several new species of *Malvaceæ* have likewise been published during the year. The plants of the natural order *Dipterocarpeæ* have been re-arranged and revised with the assistance of Sir D. Brandis, who spent some time in this country in order to monograph the Order. The genus *Delphinium* has also been re-arranged in accordance with the monograph of D. Huth. The above, together with the usual attendance on visitors, and the working out of a small portion of the collections made by Mr. Scott Elliot on his Ruwenzori Expedition, have constituted Mr. E. G. Baker's duties for the year.

Mr. Britten has incorporated additions to the Herbarium in the Monopetalous Orders, especially in *Rubiaceæ*, *Acanthaceæ*, *Scrophularineæ*, *Bignoniaceæ*, *Asclepiadaceæ* and *Apocyneæ*. A large number of species in these Orders have been determined. Tropical African plants have received special attention; the East African collections received from Berlin have been laid in, as well as many of the plants collected by Dr. Gregory and Dr. Donaldson Smith; a good deal of time has also been spent on Mr. Scott Elliot's collections. Among other collections wholly or in part incorporated may be mentioned those of M. Bang from Bolivia, Dr. Haviland from Borneo, and J. M. Wood from South Africa. Mr. Britten has devoted much time to the Departmental Library, and to matters arising in connection therewith.

Mr. A. B. Rendle has incorporated with the general Herbarium the following collections:—*Apetalæ*, *Monocotyledones*, and *Gymnospermæ* collected in Greenland by Harz, in Galicia by Blockj, in Bulgaria by Stribrny, in Armenia by Sintenis, in Asia Minor and Persia by Bornmüller, in Formosa by Henry, in Borneo by Haviland and Hose, in the Straits Settlements by Ridley, in Kashmir by Duthie, in Tropical Africa by Volkens, in South Africa by Schlechter, in Australia by Mueller, in Canada and Vancouver Island by Macoun, in California by E. P. Greene and others, in Texas by Heller, in Mexico by Pringle and Palmer, in Hawaii by Heller; *Apetalæ* collected in Paraguay by Morong, in Jamaica by Fawcett and others; a collection of Potamogetons (European) from Tiselius, of Orchids from Wood (Natal), and King (Calcutta), of *Nepenthes* from Lobb (Borneo and Malaya). In the group *Apetalæ* some work has been done on the Natural Orders *Nyctagineæ*, *Amarantaceæ*, *Chenopodiaceæ*, *Polygonaceæ*, and *Euphorbiaceæ*, much material hitherto undetermined (chiefly African) having been worked up and incorporated, and the African genera revised according to recent monographs. This included the determination in part of the Tropical African collections of Gregory, W. E. Taylor and Scott Elliot. Forbes' Malayan plants of this

group, hitherto undetermined, have been sorted and incorporated. The Orchids collected by Scott Elliot on his Ruwenzori Expedition have been worked out, and the results published in the *Journal of Botany*. In connection with large additions from King (Calcutta) and Ridley (Singapore) the Indian and Malayan Palms have been revised, and to a great extent also the Orchids. Several South African genera of the latter Order have been re-arranged in connection with work done by R. Schlechter. Some time has been devoted to the grasses of the tribe *Paniceæ*, and the large genera *Paspalum* and *Panicum* have been completely re-arranged and the material worked up as far as possible. New and doubtful species of *Convolvulaceæ* (chiefly *Ipomaea*) from Gregory and other African collectors were worked up, and the results published. Donaldson Smith's Somaliland plants have also been in part worked out. In connection with the British Herbarium a selection has been made from the Monocotyledons of various collections and the additions incorporated.

Mr. Gepp has during the year 1895 continued the revision of the Moss-Flora of the West Indies, and in connection with it has revised the genera, *Calymperes, Syrrhopodon, Macromitrium, Schlotheimia, Raphidostegium* and *Isopterygium*. He edited for publication the unfinished manuscript of Spruce's "*Hepaticæ Elliottianæ*," in connection with which he revised the genera *Metzyeria* and *Microlejeunea*, and published some additional notes thereon. He has named collections of Cryptogams from India and East Tropical Africa, and the fossil plant-remains in some peat from the South Coast. Among other genera revised were *Ptychomitrium, Orthodon, Meteorium, Papillaria, Neckera, Sematophyllum*. Considerable progress has been made in the preparation and arrangement of the exotic Lichens, and 4,000 specimens have been mounted and incorporated in the collection. Of *Muscineæ* 1,000 specimens have been mounted and incorporated.

The Keeper of the Department has continued to take charge of the collections of Algæ and Fungi and has incorporated considerable additions to both groups and revised a number of genera.

In addition to the voluntary assistance constantly given by competent botanists engaged in research in the Herbarium, the Department has to acknowledge special voluntary work on the part of Miss A. L. Smith and Miss E. S. Barton, who have freely given their services as expert botanists in naming large series of Fungi and Algæ.

Progress has been made by Mr. Barber in the illustration of plant morphology in the Central Hall, and the exhibition of British Fungi has been greatly advanced.

The

The Kützing collection of Diatoms has been cleaned and mounted.

The collections have been enriched during the year by several especially noteworthy additions.

Mr. Arthur Lister had added to his previous gifts the farther one of 832 microscope slides of Mycetozoa and 397 herbarium specimens, as well as 112 exhibition specimens and 36 coloured drawings by Miss Gulielma Lister to illustrate the British representatives of this group. The latter series have been placed in a table case in the gallery.

A collection of nearly 3,000 drawings of British Fungi by Mr. Edwin Wheeler, of great botanical value, has been generously presented by Messrs. Edwin and Henry Wheeler. The drawings are of particular importance as accurate records of the colour characters of the larger Fungi, which are so difficult to preserve suitably in a herbarium.

A present of much value and interest, consisting of 146 microscope slides, illustrating his researches on Archegoniate plants, has been made by Professor D. H. Campbell of the Leland Stanford University, California.

The other additions to the collections by presentation have consisted of 94 plants from Kolguev Island, by A. Trevor Battye, Esq.; 12 specimens of tropical fruits and palm foliage, and 2 species of *Cordyceps*, by H. N. Ridley, Esq.; 4 species of cultivated orchids, by Miss Woolward; 213 specimens of East African plants, by F. J. Jackson, Esq.; 748 Indian plants and specimens of aerial roots of Sunderbund plants, by Dr. King, Botanic Garden, Calcutta; 246 specimens of East African plants, by Dr. Donaldson Smith; 4 specimens of cultivated orchids, by Messrs Veitch; 739 plants from Kashmir, by J. F. Duthie, Esq.; 89 North American plants, by A. Davidson, Esq.; 25 plants from Great Salvage Island, and 11 from Great Piton, by W. R. Ogilvie Grant, Esq.; 41 plants from West Tropical Africa, by Captain Lugard; 4 plants from Ceylon, by Dr. Trimen; 101 plants from North America, by Professor Robinson; 101 plants from North America, by Professor Macoun; 36 cryptogams from British Guiana, and specimens of Urari poison ingredients, by J. J. Quelch, Esq.; 185 plants from North California, by Professor E. L. Greene; 16 specimens of Malvaceæ from South Africa, by E. E. Galpin, Esq.; 23 plants from the Pamirs, by the Rev. J. Gerard; 42 plants from Australia, by Spencer Moore, Esq.; 3 specimens of cultivated Orchids, by James O'Brien, Esq.; 59 North American Lichens, by Professor Farlow; 29 Cryptogams from Ceylon, by E. E. Green, Esq.; 11 American, and 13 Japanese Characeæ, by Dr. T. F. Allen; 48 Algæ from the Cape of Good Hope, by Miss Newdigate; 63 Algæ from the Cape, by W. Tyson, Esq.; 17 Algæ from the Cape, by the late Professor Schmitz; 15 Algæ from South Australia, by Baron von Mueller; 30 Californian Algæ and 6 photographs

graphs of the same, by W. R. Shaw, Esq.; 52 Cryptogams from India, by Dr. T. Cooke; 3 Algæ, by Major Reinbold; specimens and slides of *Neomeris*, by A. H. Church, Esq.; 2 Algæ from the Cape, by Professor E. Perceval Wright; a gathering of Diatomaceæ from Trinidad, by the Director of the Royal Gardens, Kew; 2 Australian Fungi, by Miss Dymes; and single specimens, by E. M. Holmes, Esq., Dr. Lange, F. W. Moore, Esq., Professor Cramer, Miss Pigou, Mevrouw Weber van Bosse, W. W. Strickland, Esq., and Surgeon Captain A. Alcock.

The following additions have been made by presentation to the British Herbarium:—431 specimens by the Rev. E. S. Marshall; 21 specimens by Captain Woolley Dod; 3 specimens by W. Whitwell, Esq.; 12 specimens by Clement Reid, Esq.; 11 specimens by the Rev. E. F. Linton; 9 specimens by Professor D. Oliver; 3 specimens by R. F. Towndrow, Esq.; 108 specimens by W. A. Shoolbred, Esq.; 2 specimens by the Rev. Augustin Ley; 50 specimens by T. Wulff, Esq., for the exhibition series of British plants; 3 Mosses by Mrs. Tindall; 10 Algæ by G. Brebner, Esq.; 2 Fungi by Miss Beatrice Heathcote; 2 Fungi by Lord Walsingham; 20 rare Staffordshire Mosses by J. E. Bagnall, Esq.; and single specimens by Sir Hugh Low, W. P. Hiern, Esq., David Robertson, Esq., J. C. Mansel-Pleydell, Esq., and H. Wigley, Esq.

The following additions have been made by exchange of duplicates:—442 specimens of tropical African plants, and a specimen of *Pleurocladia palustris* from the Director of the Royal Botanical Museum, Berlin; specimens of the fruits of *Dion edule* and *Zamia* from Professor Penzig; 2 new species of *Disperis* from Dr. Schlechter; and 159 slides of Hepaticæ from Mrs. Tindall.

The first half, consisting of 5,000 specimens, of the Stephani collection of Hepaticæ has been acquired by purchase. A very large number of these are type specimens, since Dr. Stephani has described nearly every important foreign collection during the last twelve years. This purchase has greatly enriched an important section of the Herbarium, and, happily, at a time when increased study is being given to the characteristics of the Hepaticæ.

The following collections have also been acquired by purchase:—100 specimens of *Potamogeton*, collected by Tiselius; 96 specimens of South African plants, collected by Schlechter; 1,233 plants and 68 woods from Kilimanjaro, collected by Volkens; 348 South Texas plants, collected by Heller; 208 Persian plants, collected by Bornmüller; 302 Mexican plants (Provinces Colima and Sonora), collected by Palmer; 200 Borneo plants, collected by Haviland; 400 Polish plants, collected by Rehman and Woloszczak; 300 plants from Asia Minor, collected by Sintenis; 113 plants from Natal, collected by J. M. Wood; 384 plants and three wood specimens from

from Formosa, collected by Henry; 429 Mexican plants, collected by Pringle; 297 plants from the Sandwich Islands, collected by Heller; 118 plants from Bulgaria, collected by Stribrny; 251 Bolivian plants from Rusby; 50 British plants (Willows and Rubi) from the Rev. E. F. Linton; a specimen of *Flemingites* from Sherborn; 50 specimens of Fungi from Cavara; 350 Fungi from Sydow; 100 Fungi, principally Australian, from Cooke; 100 Russian Fungi from Jaczewski, Komarov, and Tranzschel; 100 Brazilian Mosses from Ule; 88 Mosses of Newfoundland and Labrador from the Rev. A. C. Waghorne; 150 North American Algæ from Collins, Holden, and Setchell; 61 slides of Algæ from Buffham; 200 Fungi from Pazschke; 100 Scandinavian Fungi from Eriksson; 50 Fungi from Seymour and Earle; 17 Uredineæ from Holway; 50 North American Mosses from Renault and Cardot, and 100 Fungi from Krieger.

A model of *Hydnum Erinaceus* Bull., was purchased from Miss Emett.

There have been added to the collection of prints and drawings of plants six prints of species of *Masdevallia*, presented by Miss Woolward, twenty-four original drawings by Sydenham Edwards for "The New Botanic Garden," three drawings by Mrs. Withers, and one by Fitch.

Lady Blake has presented a photograph of the house in Jamaica occupied by Sir Hans Sloane.

A manuscript journal of Sir Joseph Banks' voyage to Newfoundland and Labrador in 1766 has been acquired by purchase. The journal is in the handwriting of Sarah Sophia Banks, the sister of Sir Joseph.

The following works have been presented to the Library of the Department:—

J. C. Mansel-Pleydell, Flora of Dorsetshire; J. M. Macoun, Contributions Herb. Geol. Surv. of Canada; G. King, Flora of the Malayan Peninsula, No. 7; D. McAlpine, Australian Fungi; M. Colmeiro, Noticia sucinta de los Animales y Plantas que mencionō Cervantes en el Quijote, and Arboles y Arbustos . . . existentes al aire libre en el Jardin Botanico de Madrid; F. Kränzlin, Monograph of Habenaria, Orchidaceæ (Flora von Kamerun) and Orchideenflora der Asiatischen Inseln; J. Donnell Smith, Enumeratio plantarum Guatemalensium, Part iv.; B. D. Jackson, Dates of Rees's Cyclopædia; presented by the authors. The Vine at Berdiansk, and Orange growing at Jaffa; presented by the Foreign Office. Illustrations of Indian Plants; presented by the India Office. Contributions from U. S. Herbarium, Journal of Mycology; H. J. Webber, The Orange; B. T. Galloway, Water as a factor in the growth of Plants; W. T. Swingle, Grain Smuts; N. B. Pierce, Grape Diseases; presented by U. S. Department of Agriculture. Nederlandsch Kruidkundig Archief; Journal

R. Hort. Society; Quarterly Record R. Bot. Society; Pharmaceutical Journal; Botanical Exchange Club Report; presented by the Societies. The Garden, Journal of Botany; Sixth Annual Report, Missouri Bot. Garden; Bull. Bot. Dept., Jamaica; presented by the editors. J. C. Sawer's Rhodologia, presented by W. J. Smith. F. E. Stewart's Kola, presented by Thos. Christy. Minnesota Botanical Studies, presented by Geol. and Nat. Hist. Survey of Minnesota; Bastow's Tasmanian Mosses, by F. A. Bather, Esq.; four memoirs on Brazilian Mosses, by Dr. V. F. Brotherus; a memoir on *Diatomaceæ*, by J. Newton Combe, Esq.

The following memoirs dealing with plants preserved in the Department have been published during the year:—

Guide to the British Mycetozoa, exhibited in the Department of Botany by Mr. Arthur Lister.

List of Plants in an Appendix to Mr. Trevor Battye's "Ice-bound on Kolguev," by the officers of the Department.

Revision of the African species of *Eriosema* with description of new species by Mr. E. G. Baker. *Journal of Botany*, April, May, August.

Description of a new species of *Malvaviscus*, by Mr. E. G. Baker. *Proceedings of the American Academy*, 1895.

Descriptions of new Mexican *Malvaceæ*, by Mr. E. G. Baker. *Contributions from the U. S. Herbarium*, Vol. iii., No. 5.

The Plants of Welwitsch's Apontamentos; based on the Welwitsch collections in the Herbarium, by Mr. Britten. *Journ. Bot.*, 1895.

A contribution to the Flora of Tropical Africa, *Journal of Linnean Society*, Vol. xxx., by Mr. Rendle.

Mr. Scott Elliot's Tropical African Orchids, *Journal of Botany* (June—October), by Mr. Rendle.

Hepaticæ Elliottianæ, by the late R. Spruce, in *Journ. Linn. Soc.*, xxx., 1895.

Additional notes on Mr. W. R. Elliott's Hepaticæ, by Mr. Gepp, in *Journ. Bot.*, March 1895.

Fossil Plant-remains in Peat, by Mr. Gepp, *Journ. Bot.*, June 1895.

East African Fungi, by Miss A. L. Smith, in *Journ. Bot.*, 1895.

Part III. (completing a volume) of *Phycological Memoirs*, containing:—

A new part of *Pachytheca*, by Mr. Murray.

Calcareous Pebbles formed by Algæ, by Mr. Murray.

Notes on the sori of *Macrocystis* and *Postelsia*, by Miss A. L. Smith and Miss F. G. Whitting.

A comparison of the Arctic and Antarctic Marine Floras, by Mr. Murray and Miss Barton.

The number of visitors to the Herbarium for research and consultation during the year has been 2,206.

George Murray.

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Treasury Chambers,
19 July 1897.

R. W. HANBURY.

(*Sir John Lubbock.*)

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326.

CONTENTS.

Page

I.—ACCOUNT OF THE RECEIPT AND EXPENDITURE OF THE BRIDGEWATER FUND, for the Year ended 31st March 1897 - - - - - - - - - - - - 4

II.—ACCOUNT OF THE FARNBOROUGH FUND, for the same period - - - - - - - - - - - - - 4

III.—ACCOUNT OF THE SWINEY FUND, for the same period - 6

IV.—ACCOUNT OF THE BIRCH FUND, for the same period - - 6

V.—ACCOUNT OF THE TAPLING BEQUEST, for the same period 8

VI.—ACCOUNT OF THE TURNER BEQUEST, for the same period 8

VII.—RETURN of the Number of PERSONS admitted to visit the BRITISH MUSEUM and the BRITISH MUSEUM (NATURAL HISTORY) in each Year from 1891 to 1896, both Years inclusive - - - - - - - - - - - - - 10

VIII.—STATEMENT of GENERAL PROGRESS at the MUSEUM (Bloomsbury) - - - - - - - - - - - - - 14

IX.—STATEMENT of PROGRESS made in the ARRANGEMENT and DESCRIPTION of the COLLECTIONS, and ACCOUNT of OBJECTS added to them, in the Year 1896 (Bloomsbury) - - - 17

X.—Ditto - - - ditto - - - (Natural History) - - - 83

I.—AN ACCOUNT of the RECEIPTS and EXPENDITURE of the

		Cash.	Stock, 2¾ °/₀ Consols.
		£. s. d.	£. s. d.
To Balances on the 1st April 1896 - - -		37 9 1	13,150 13 10
- Dividends received on 13,150*l.* 13*s.* 10*d.* Stock in 2¾ per Cent. Consols, bequeathed by the Earl of Bridgewater, viz.:			
On the 5th April 1896	£. 90 8 2		
,, 6th July 1896 -	90 8 3		
,, 5th October 1896 -	90 8 2		
,, 5th January 1897 -	90 8 3		
		361 12 10	
- Rent of a Real Estate, bequeathed by the Earl of Bridgewater (less charges of collection and repairs) - - -		23 9 5	
	£.	422 11 4	13,150 13 10

II.—AN ACCOUNT of the RECEIPTS and EXPENDITURE of the

		Cash.	Stock, 2¾ °/₀ Consols.
		£. s. d.	£. s. d.
To Balances on the 1st April 1896 - - -		9 5 7	2,879 10 7
- Dividends received on 2,879*l.* 10*s.* 7*d.* Stock in 2¾ per Cent. Consols, bequeathed by Lord Farnborough, viz.:			
On the 5th April 1896	£. 19 15 11		
,, 6th July 1896 -	19 15 11		
,, 5th October 1896 -	19 15 11		
,, 5th January 1897 -	19 15 11		
		79 3 8	
	£.	88 9 3	2,879 10 7

BRIDGEWATER FUND, from the 1st April 1896 to the 31st March 1897

	Cash.	Stock, 2¾ °/₀ Consols.
	£. s. d.	£. s. d.
By Payment of one Year's Salary to the Egerton Librarian - - - - -	210 - -	
- Payment for the Purchase of Manuscripts	143 10 -	
- Balances on the 31st March 1897, carried to Account for 1897-98 - - -	69 1 4	13,150 13 10
£.	422 11 4	13,150 13 10

FARNBOROUGH FUND, from the 1st April 1896 to the 31st March 1897.

	Cash.	Stock, 2¾ °/₀ Consols.
	£. s. d.	£. s. d.
By Payment for the Purchase of Manuscripts	88 7 -	
- Balances on the 31st March 1897, carried to Account for 1897-98 - - -	- 2 3	2,879 10 7
£.	88 9 3	2,879 10 7

III.—AN ACCOUNT of the RECEIPTS and EXPENDITURE of the

		Cash.	Stock, $2\frac{3}{4}$ °/₀ Consols.
		£. s. d.	£. s. d.
To BALANCES on the 1st April 1896 - - -		117 19 -	5,583 1 6
- DIVIDENDS received on 5,583*l.* 1*s.* 6*d.* Stock in $2\frac{3}{4}$ per Cent. Consols, bequeathed by Dr. George Swiney for Lectures on Geology viz.:			
On the 5th April 1896	£. 38 7 8		
„ 6th July 1896 -	38 7 8		
„ 5th October 1896 -	38 7 8		
„ 5th January 1897 -	38 7 8		
		153 10 8	
	£.	271 9 8	5,583 1 6

IV.—AN ACCOUNT of the RECEIPTS and EXPENDITURE of the

		Cash.	Stock, $2\frac{3}{4}$ °/₀ Consols.
		£. s. d.	£. s. d.
To BALANCE on the 1st April 1896 - - -		—	565 3 9
- DIVIDENDS received on 565*l.* 3*s.* 9*d.* Stock in $2\frac{3}{4}$ per Cent. Consols, bequeathed by Dr. Birch in 1766, for the three Under Librarians of the British Museum, viz.:			
On the 5th April 1896 -	£. 3 17 9		
„ 6th July 1896 -	3 17 8		
„ 5th October 1896 -	3 17 9		
„ 5th January 1897 -	3 17 8		
		15 10 10	
	£.	15 10 10	565 3 9

SWINEY FUND, from the 1st April 1896 to the 31st March 1897.

	Cash.	Stock, 2¾ °/₀ Consols.
	£. s. d.	£. s. d.
By Salary paid to Dr. R. H. Traquair, for Lectures on Geology in 1896 - - - - -	150 - -	
- Balances on the 31st March 1897, carried to Account for 1897-98 - - -	121 9 8	5,583 1 6
£.	271 9 8	5,583 1 6

BIRCH FUND, from the 1st April 1896 to the 31st March 1897.

	Cash.	Stock, 2¾ °/₀ Consols.
	£. s. d.	£. s d.
By Legacy paid to the three Under Librarians of the British Museum, whose offices existed in 1766, viz., the Keepers of the Departments of Printed Books, Manuscripts, and Natural History - - -	15 10 10	
- Balance on the 31st March 1897, carried to Account for 1897-98 - - -	—	565 3 9
£.	15 10 10	565 3 9

V.—AN ACCOUNT of the RECEIPTS and PAYMENTS in connection
1st April 1896 to

		CASH.			STOCK in Local Loans, 3 °/₀.		
		£.	s.	d.	£.	s.	d.
TO BALANCES on the 1st April 1896 - - -		6	5	6	300	–	–
– DIVIDENDS received on Local Loans Stock, viz.:							
On 300*l.* on the 5th April 1896 - - - - -	£. 2 5 –						
On 300*l.* Stock on the 6th July 1896 - - -	2 5 –						
		4	10	–			
– AMOUNT realised by Sale of 300*l.* Local Loans Stock, less Brokerage - - -		341	11	6			
	£.	352	7	–	300	–	–

VI.—AN ACCOUNT of the RECEIPTS and PAYMENTS in connection
1st April 1896 to

		CASH.			STOCK in Metropolitan 3 °/₀.		
		£.	s.	d.	£.	s.	d.
TO BALANCES on the 1st April 1896 - - -		6	10	1	1,000	–	–
– DIVIDENDS received on Metropolitan 3 per Cent. Stock, viz.:							
On 1,000*l.* on the 1st May 1896 - - - - -	£. 7 10 –						
On 500*l.* on the 1st August 1896 - - - - -	3 15 –						
		11	5	–			
– AMOUNT realised by sale of 1,000*l.* Metropolitan 3 per Cent. Stock, less Brokerage, &c.		1,191	3	–			
	£.	1,208	18	1	1,000	–	–

with the BEQUEST of the late Mr. T. K. TAPLING, M.P., from the the 31st March 1897.

	CASH.	STOCK in Local Loans, 3 %.
	£. s. d.	£. s. d.
BY PAYMENTS for mounts, etc., for Mr. Tapling's Collection of Stamps - - - - - -	16 5 3	
- PAYMENTS to special Assistants engaged to continue the arrangement and mounting of the collection - - - - - -	296 10 -	
- SALE OF STOCK - - - - - - -	—	300 - -
- BALANCE ON THE 31ST MARCH 1897, carried to Account for 1897-98 - - -	39 11 9	
£.	352 7 -	300 - -

with the BEQUEST of the late Miss E. T. TURNER, from the the 31st March 1897.

	CASH.	STOCK in Metropolitan 3 %.
	£. s. d.	£. s. d.
BY AMOUNT expended at Enkomi, in the Island of Cyprus, including travelling and subsistence allowances of the Keeper of the Department of Greek and Roman Antiquities, and an Assistant from the British Museum	1,192 9 -	
- SALE OF STOCK - - - - - - -	—	1,000 - -
- BALANCE ON THE 31ST MARCH 1897, carried to Account for 1897-98 - - -	16 9 1	
£.	1,208 18 1	1,000 - -

E. Maunde Thompson,
Principal Librarian and Secretary.

VII.—NUMBER of PERSONS ADMITTED to VISIT the BRITISH MUSEUM and the BRITISH MUSEUM (NATURAL HISTORY).

A.—PERSONS Admitted to View the GENERAL COLLECTIONS in the British Museum in each Year from 1891 to 1896, both Years inclusive.

	1891.		1892.		1893.		1894.		1895.		1896.		
	Day. No.	Evening. No.	Day. No.	Evening. No.	Day. No.	Evening. No.	Day. No.	Evening. No.	Day. No.	Evening. No.	Day. No.	Evening. No.	Sunday. No.
JANUARY -	33,563	3,237	33,559	2,789	38,872	2,839	42,063	2,905	39,516	2,399	43,992	2,773	—
FEBRUARY -	31,369	3,836	32,482	3,964	36,824	3,062	35,634	3,029	29,739	1,762	36,795	2,759	—
MARCH -	44,058	3,984	39,484	3,531	38,815	2,915	49,272	3,375	37,247	2,448	38,390	2,529	—
APRIL -	42,270	4,012	48,980	3,222	49,104	2,740	43,576	3,206	50,772	2,629	55,262	2,807	—
MAY - -	46,449	3,865	37,358	3,006	42,624	3,142	50,434	3,531	39,914	2,519	43,308	2,606	4,957
JUNE - -	35,677	Galleries closed.	41,516	3,284	37,280	2,736	44,408	3,106	43,059	2,787	36,424	2,310	4,429
JULY - -	45,753	3,246	40,904	2,613	43,308	1,969	47,498	2,604	48,696	2,264	48,833	2,236	3,326
AUGUST -	52,998	4,420	71,044	4,354	51,132	2,906	64,150	4,051	65,328	3,124	58,529	2,957	5,580
SEPTEMBER	39,440	4,273	50,353	4,504	45,226	3,931	44,594	3,724	39,787	3,299	47,236	2,893	4,670
OCTOBER -	37,162	3,581	44,339	3,503	44,529	3,424	44,177	3,256	42,996	2,839	40,649	2,200	3,497
NOVEMBER	32,007	3,346	37,964	3,095	38,435	2,458	37,861	2,997	37,363	2,485	35,806	2,025	2,074
DECEMBER -	34,019	2,349	39,946	2,751	38,064	2,225	37,297	2,229	37,485	1,966	36,777	1,674	1,603
Total Number of Persons admitted to view the General Collections -	474,765	40,149	517,929	40,619	504,213	34,347	540,964	38,013	511,902	30,521	522,001	29,769	30,136
	514,914		558,548		538,560		578,977		542,423		581,906		

NUMBER OF VISITS TO PARTICULAR DEPARTMENTS.	1891.	1892.	1893.	1894.	1895.	1896.
To the Reading Room, for the purpose of research and reference -	198,310	197,984	194,102	202,973	194,924	191,363
To the Newspaper Room, for the purpose of research - - -	14,529	14,590	14,747	15,394	13,031	12,741
To the Map Room, for the purpose of special research - -	162	299	208	278	288	298
To the Department of Manuscripts, for the purpose of examining Select and other Manuscripts - - - -	8,257	8,197	9,310	9,610	8,784	9,730
To the Print Room, for the purpose of study - - - -	5,370	5,474	5,645	5,705	5,966	5,762
To the Egyptian and Assyrian Department, for the purpose of study - - - - - -	—	—	1,619	1,600	1,730	1,539
To the Galleries of Sculpture, for the purpose of study - -	6,625	5,815	5,311	6,272	5,245	4,385
To the Coin and Medal Room, for the purpose of study, &c. -	1,727	1,723	2,440	2,612	2,516	2,675
To the Gold Ornament and Gem Room - - - - - - -	19,607	19,801	17,900	20,420	*	*
TOTAL - - -	254,587	253,883	251,282	264,864	232,484	228,493

* Visitors to the Gold Ornament and Gem Room are not now included in the number of students, the room being under present arrangements, open freely to the general public.

The Exhibition Galleries of the British Museum, Bloomsbury (including the Departments of Printed Books and Maps, Manuscripts, Oriental Printed Books and Manuscripts, Prints and Drawings, Egyptian and Assyrian Antiquities, Greek and Roman Antiquities, British and Mediæval Antiquities and Ethnography, and Coins and Medals), are open to the public free daily, except on Good Friday and Christmas Day, and days of Public Fast or Thanksgiving.

MONDAY, WEDNESDAY, FRIDAY, SATURDAY, and SUNDAY—All the Galleries.

TUESDAY and THURSDAY—All the Galleries, except British and Mediæval Antiquities and Ethnography and rooms in the "White" Wing.*

The hours of Admission are—

On WEEK-DAYS, throughout the year, from 10 a.m. in

January and February	to 4 p.m.
March	,, 5 ,,
April to August	,, 6 ,,
September and October	,, 5 ,,
November and December	,, 4 ,,

Also on—

MONDAY and FRIDAY EVENINGS (8 to 10 p.m.)—Egyptian, Assyrian, Semitic, Religious, and American Collections.

WEDNESDAY and SATURDAY EVENINGS (8 to 10 p.m.)—Greek and Roman Collections.

TUESDAY and THURSDAY EVENINGS (8 to 10 p.m.)—Manuscripts, King's Library, Porcelain and Glass, and Prints and Drawings; Prehistoric, Ethnographical and Mediæval Collections.

On SUNDAYS, in

January and February	from 2	to 4 p.m.
March	,, 2	,, 5.30 ,,
April	,, 2	,, 6 ,,
May to August	,, 2.30	,, 7 ,,
September	,, 2	,, 5.30 ,,
October	,, 2	,, 5 ,,
November and December	,, 2	,, 4 ,,

Persons applying for the purposes of research and reference are admitted to the Reading Room under certain regulations every week-day, except the days specified below, in the months of January, February, March, April, September, October, November, and December, from 9 a.m. till 8 p.m.; and in the months of May, June, July, and August, from 9 till 7.

The

* *See* postscript on p. 13.

The Newspaper Room is open, under similar regulations, from 10 a.m. until ten minutes before the hour of general closing.

The Reading Room, Newspaper Room, and Students' Room, Department of Manuscripts, are closed on Sundays, Good Friday, Christmas Day, and the first four week-days in March and September.

Students are admitted generally to the several Departments, on week-days, from 10 till 4 o'clock: to the Sculpture Galleries from 9 o'clock till the hour of general closing; and to the Print Room from 10 till 4 o'clock from January to March, and from August to December, and from 10 till 5 from April to July.

British Museum,
31 March 1897.

E. Maunde Thompson,
Principal Librarian and Secretary.

B.—PERSONS ADMITTED TO VIEW THE COLLECTIONS IN THE BRITISH MUSEUM (NATURAL HISTORY), CROMWELL ROAD, in each Year from 1891 to 1896, inclusive.

	1891:	1892:	1893:	1894:	1895:	1896: Week-days.	1896: Sun-days.
JANUARY	25,146	30,002	23,789	30,093	28,073	33,238	—
FEBRUARY	21,376	22,984	24,204	27,884	19,986	27,818	—
MARCH	39,697	26,014	26,181	44,117	30,532	28,333	—
APRIL	32,102	43,765	44,042	29,260	57,730	53,520	—
MAY	36,841	24,516	43,420	40,248	35,112	36,225	5,479
JUNE	26,405	31,697	31,134	30,586	42,019	27,927	6,376
JULY	31,923	25,612	36,714	29,752	40,120	31,303	3,713
AUGUST	47,635	37,193	59,072	54,606	69,762	47,864	6,390
SEPTEMBER	32,217	26,285	30,011	32,375	27,121	36,541	5,920
OCTOBER	31,496	28,965	34,848	34,152	33,573	35,455	3,854
NOVEMBER	23,366	24,539	26,847	27,308	29,822	27,832	3,045
DECEMBER	27,702	28,345	27,946	33,191	32,887	30,977	2,206
TOTAL Number of Persons admitted to view the Natural History Collections (including Students)	375,906	351,917	408,208	413,572	446,737	417,033	36,923
						453,956	

Number of Visits to particular Departments, for the purpose of Study—	1891:	1892:	1893:	1894:	1895.	1896:
ZOOLOGY	9,443	10,932	10,872	10,730	8,189	7,995
GEOLOGY	2,961	4,107	4,955	5,176	5,986	5,923
MINERALOGY	946	1,751	1,714	1,994	2,073	1,841
BOTANY	2,226	2,585	2,274	2,129	2,206	2,555
TOTAL	15,576	19,375	19,815	20,029	18,454	18,314

The Exhibition Galleries of the British Museum (Natural History), Cromwell-road, South Kensington, including the Departments

Departments of Zoology, Geology and Palæontology, Mineralogy, and Botany, are open to the public, free, daily, except Good Friday and Christmas Day, and days of Public Fast or Thanksgiving.

The hours of Admission are as under:—

On WEEK-DAYS, throughout the year from 10 a.m., in

January	to	4	p.m.
February	,,	4.30	,,
March	,,	5.30	,,
April to August	,,	6	,,
September	,,	5.30	,,
October	,,	5	,,
November and December	,,	4	,,

also, on MONDAYS and SATURDAYS only, from the beginning of May to the middle of July, to 8 p.m., and from the middle of July to the end of August, to 7 p.m.

On SUNDAYS, in

January	from 2	to	4	p.m.
February	,, 2	,,	4.30	,,
March	,, 2	,,	5.30	,,
April	,, 2	,,	6	,,
May to August	,, 2.30	,,	7	,,
September	,, 2	,,	5.30	,,
October	,, 2	,,	5	,,
November and December	,, 2	,,	4	,,

Persons are admitted to study in these Departments every week-day from 10 till 4 o'clock.

British Museum (Natural History),
31 March 1897.

W. H. Flower,
Director.

P.S.—The Galleries excepted above, p. 11, *are now* (*July* 1897) *open on Tuesday and Thursday, as well as on other days.*

VIII.—General Progress at the Museum, Bloomsbury.

The total number of visitors to the Museum in the year 1896 amounts to 581,906, the highest number reached since 1890. This increase is partially accounted for by the admission of visitors on Sunday afternoons since 17th May, 30,136 persons having been thus admitted. On the other hand, the number of evening visitors has further diminished since 1895 to 29,769.

The total number of visits of students to the Reading Room during the year was 191,363, being 3,600 less than that of 1895, which again was lower than that of 1894 by 8,000. This diminution of numbers may perhaps, in some degree, be accounted for by the growth of local libraries in the metropolis, which have satisfied the requirements of students who would otherwise have had recourse to the British Museum. The daily average was about 630.

The average numbers of persons in the room, counted at certain hours in the afternoon, were :—

4 P.M.	5 P.M.	6 P.M.	6.30 P.M.	7 P.M.	7.30 P.M.
346	256	173	112	119	87

These figures show the same fluctuations, on a slightly lower scale, as those of 1895, which were 354, 265, 182 113, 124, and 90.

Although the number of readers has declined, the number of volumes supplied to them is larger than that of 1895, being 1,428,535, as against 1,405,866.

There has again been a slight reduction of the total number of visits of students to the several Departments, the number for this year being 37,130, as against 37,560 in 1895. A considerable decrease in the number of visits in the Galleries of Sculpture is compensated by an increase of nearly 1,000 in the Department of Manuscripts.

No very large works have been undertaken on the fabric of the Museum ; but it may be noticed that the substitution of skylights for windows in the Egyptian and Babylonian Rooms on the upper floor, commenced two years ago, is in progress ; which, when completed, will add materially to the wall-space available for exhibition cases, as well as improve the light in the several rooms.

The re-arrangement of the sculptures from the site of the Temple of Diana at Ephesus has been almost completed.

Excavations

Excavations have been carried on, with means placed at the disposal of the Trustees by the bequest of Miss Emma T. Turner, at Enkomi, near Salamis, in Cyprus, on the site of a cemetery of the Mycenæan period. The antiquities discovered are both numerous and important, including a large proportion of gold ornaments. The operations of this year have exhausted the Turner bequest. The sum of 2,000*l.*, so generously bequeathed by Miss Turner, has enabled the Trustees to undertake, since 1893, three successful excavations in Cyprus, viz., at Amathus, at Curium, and at Enkomi, with the result that the Museum collections have been enriched by most valuable and interesting remains, largely illustrating the history of the art of the early inhabitants of the island. A catalogue of the antiquities thus discovered is being prepared, and will be published without delay.

Among the more important purchases attention may be drawn to the following:—A series of Egyptian sculptures of extreme antiquity, dating back to about 3700 B.C.; two bronze tablets inscribed with archaic Greek inscriptions in the Locrian dialect; a remarkable sarcophagus of terra-cotta, painted with battle scenes, &c., from Clazomenæ, in Ionia, of the sixth century B.C.; a large selection of Greek, Roman, and English coins, acquired at the sales of the Montagu and Bunbury collections; a MS. copy of the Gospels, called "The Gospels of St. Grimbald," written and ornamented early in the eleventh century in the Monastery of Newminster at Winchester; a portion of the original letters of the Family of Paston; the literary correspondence and papers of the historian Edward Gibbon, whose autobiography and journals were purchased in 1895; the military correspondence of General Viscount Hill, chiefly during the Peninsular War, including a large number of despatches and letters of the Duke of Wellington; a drawing by Michelangelo Buonarroti, one of the finest extant works of the master.

Gifts of Museum publications, including reproductions of prints and drawings by old masters, and electrotypes of British historical medals, have been made to Free Public Libraries, Local Museums, and Art Schools throughout the United Kingdom.

The following are the publications issued by the Departments at Bloomsbury during the year:—

Continuation of the General Catalogue of the Library, quarto, 21 parts, viz.:—Rome; Savoja-Schäferey; Schaff-Schillemans; Schiller-Schmick; Schoene-Schriverius; Schrobenhausen-Schurzmann; Schuselka-Scotius; Scotland Yard-Scupoli; Scurati-Selector; Selein-Sermini; Sermo-Shakespeare (John); Shakhmatny-Sherly; Sherman-Sigonio; Sigonius-Singing Master; Singlande-Smital; Smith; Smithæus-Solidus; Solié-Soubry; Soucaille-Spanish Woolclothiers; Spanker-Spytek; Statesman-Stephany; and two excerpts, "Rome-Church of-Popes" and "Scott, Sir Walter."

Catalogue of Accessions to the Library, quarto, 26 parts.

A Guide to the Exhibition Galleries of the British Museum (Bloomsbury). New edition.

Catalogue of the Cuneiform Tablets in the Kouyunjik Collection of the British Museum. By C. Bezold. Vol. IV.

Cuneiform Texts from Babylonian Tablets, &c., in the British Museum. Photo lithographic Plates. Parts I. and II.

Supplement to the Catalogue of the Persian Manuscripts in the British Museum. By C. Rieu.

Catalogue of the Greek and Etruscan Vases in the British Museum. Vol. III. Vases of the Finest Period. By Cecil H. Smith.

——— Vol. IV. Vases of the Latest Period. By H. B. Walters.

Designs from White Athenian Vases in the British Museum.

Catalogue of the Stowe Manuscripts in the British Museum. Vol. II. Index.

Facsimiles of Royal, Historical, Literary, and other Autographs in the Department of Manuscripts. Second Series. Nos. 1 to 30.

Reproductions of Prints in the British Museum. New Series. Part V. (Specimens of early mezzotint engraving). 16 Plates.

Index of Artists represented in the Department of Prints and Drawings. Vol. II. (French Schools).

Description of Reading Room. New edition.

British Museum,
31 March 1897.

E. Maunde Thompson,
Principal Librarian and Secretary.

IX.—PROGRESS made in the ARRANGEMENT AND CATALOGUING OF COLLECTIONS, AND ADDITIONS MADE TO THEM, in the Year 1896. (Bloomsbury.)

DEPARTMENT OF PRINTED BOOKS.

I. *Arrangement.*—The works added to the collection during the past year have, as far as possible, been placed on the shelves of the Library according to the system of classification adopted in the Museum.

The press-marks, indicating their respective localities, have been marked on the inside and affixed to the back of each volume; also on the title-slips.

The total number of these press-marks amounts to 90,605; in addition to which, 54,288 press-marks have been altered, in consequence of changes and re-arrangements carried out in the Library; 34,498 labels have been affixed to books and volumes of newspapers, and 102,634 obliterated labels have been renewed.

The process of attaching third-marks to the books in the New Library, with the view of accelerating their delivery to readers, has been continued; 25,736 books have been thus marked during the year, and the corresponding alterations, amounting to 55,494, have been carried out in the General, Gallery and Hand Catalogues; 662 volumes of country newspapers have also been numbered, and for London and country newspapers 2,675 index-slips have been written.

The number of stamps impressed upon articles received has been 407,101.

Over 3,000 presses of books and newspapers have been dusted in the course of the year.

II. *Catalogues.* — (*a*) *Cataloguing.* — 53,039 titles have been written (the term "title" applying equally to a main title and to a cross-reference). Of these, 39,134 were written for the General Catalogue, 2,263 for the Map Catalogue and 11,642 for the Music Catalogue.

(*b*) *Printing.*—41,088 titles and 1,059 index-titles for the General Catalogue, 2,370 titles for the Map Catalogue and 6,687 titles for the Music Catalogue have been prepared for printing during the year, and 40,979 title-slips and 558 index-slips for the General Catalogue 2,362 title-slips for the Map Catalogue and 6,687 title-slips for the Music Catalogue were printed off.

Progress has also been made in printing the whole Catalogue in alphabetical sequence from the beginning. With

the exception of the headings "England," "France," "Germany," "Great Britain," "Liturgies," and part of "Bible," the Catalogue, at the end of 1896, was either printed or at press as far as the heading "Taylor."

One hundred and sixty-five manuscript volumes have been prepared and sent to press during the year, and 22 printed parts, representing 179 manuscript volumes, have been delivered by the printer.

(*c*) *Incorporation.*—(1) *General Catalogue.*—39,698 title-slips and 532 index-slips have been incorporated into each of three copies of this Catalogue. This incorporation has rendered it necessary, in order to maintain, as far as possible, the alphabetical arrangement, to remove and re-insert 24,718 title-slips in each copy, and to add to each copy 281 new leaves; while, in the preparation of the manuscript volumes for printing, it has been necessary to remove and re-insert 37,448 title-slips in one copy only.

The system of fortnightly incorporation, introduced in 1889, has been carried out with perfect regularity during the past year.

(2) *Hand Catalogues.*—The number of new entries made in the Hand Catalogue of "Academies" was 256; in that of "Periodical Publications," 745; in that of Maps and Charts, 1,757; and in the Hand Catalogues of London and of Country Newspapers, 1,650 and 1,025 respectively.

(*d*) *Map Catalogue.*—2,263 titles have been written for the Map Catalogue, and 2,338 title-slips have been incorporated into each of three copies of it. This incorporation has rendered it necessary to remove and re-insert 3,655 title-slips in each copy and to add to each copy 34 new leaves.

(*e*) *Music Catalogue.*—11,642 titles have been written for the Music Catalogue, and 14,112 title-slips have been incorporated into each of two copies of it. This incorporation has rendered it necessary to remove and re-insert 11,299 title-slips in each copy and to add to each copy 182 new leaves.

(*f*) *Shelf Catalogue.*—For this Catalogue, in which the title-slips, mounted on cartridge paper, are arranged in order of press-marks, about 54,930 have been so mounted, and about 149,650 have been incorporated into the boxes.

(*g*) *Catalogues of Books of Reference in the Reading Room* —The additions and alterations in each of the three interleaved copies of the Catalogue of Books of Reference in the Reading Room, which are requisite in order to record the changes in this collection by the addition of new works, and the exchange of old for new editions, have been made. The number of additions to each copy has been 28.

The

The collection of books in the galleries of the Reading Room has continued to receive additions by the incorporation of new works of interest and importance, and the substitution of new for older editions. The number of additions to each of the two interleaved copies of the Catalogue of this collection has been 149.

III. *Binding.*—The number of volumes and sets of pamphlets sent to be bound in the course of the year has been 11,939, including 2,462 volumes of newspapers. In consequence of the frequent adoption of the plan of binding two or more volumes in one, the number of volumes returned has been 7,926; in addition to which 226 pamphlets have been separately bound, and 277 volumes have been repaired at the binder's.

Besides this, the following binding work has been done in the Library itself: — 4,603 volumes have been repaired; 2,162 broadsides, &c., have been inserted in guard-books, and 3,790 volumes of reports, time-tables, parts of periodicals, &c., have been formed, in a light style of binding.

The following maps, charts, &c., have also been bound or mounted during the year:—25 atlases, 40 volumes of the Ordnance Survey of Towns, 57 volumes of the 25-inch Ordnance Survey, and 2 volumes of the 6-inch Ordnance Survey have been bound; 122 sheets of the 1-inch Ordnance Survey, 74 sheets of the English Admiralty Charts, 17 sheets of the "Hydrographie française," and 214 general maps have been mounted on linen, and 328 maps, &c., mounted on cards.

Three thousand eight hundred and sixty-seven pamphlets, forming part of the collection of pamphlets relating to the French Revolution, 1789-1815, have been arranged in 143 classified volumes and sent for binding.

IV. *Reading Room Service.*—The number of volumes returned to the General Library from use in the Reading Room has been 889,524; to the Royal Library, 21,415; to the Grenville Library, 1,374; to the Map Room, 3,928; to the presses in which books are kept from day to day for the use of readers, 508,758; and to the Oriental Department, 3,536; making a total amount of 1,428,535 volumes supplied to readers during the year. The number of readers during the year has been 191,363, giving an average of about 630 daily, the room having been open on 304 days, and an average of over seven volumes daily for each reader, not reckoning those taken from the shelves of the Reading Room by the readers themselves.

Newspaper Room.—The number of readers during the year has been 12,741, giving a daily average of 42. The

number of volumes replaced after use was 40,826, giving a daily average of over three volumes to each reader, not reckoning those, chiefly volumes of Parliamentary Papers, taken from the shelves of the Newspaper Reading Room by the readers themselves.

Map Room.—298 visitors have been admitted to the Map Room for the purpose of special geographical research.

V. *Additions.*—(*a*) 36,609 volumes and pamphlets (including 83 atlases, &c., and 1,714 books of music) have been added to the Library in the course of the year, of which 5,423 were presented, 12,618 received in pursuance of the laws of English copyright, 999 by colonial copyright, 630 by international exchange, and 16,939 acquired by purchase.

(*b*) 65,330 parts of volumes (or separate numbers of periodical publications and of works in progress) have also been added, of which 2,559 were presented, 36,623 received in pursuance of the laws of English copyright, 278 by colonial copyright, 298 by international exchange, and 25,572 acquired by purchase.

(*c*) 1,233 maps, in 6,239 sheets, have been added to the collection in the course of the year, of which 501 maps, in 885 sheets, were presented; 490 maps, in 4,352 sheets, received under the provisions of the laws of English copyright, 5 by colonial copyright, and 237 maps, in 997 sheets, acquired by purchase.

(*d*) 5,396 pieces of music, each complete in itself, have been acquired by copyright during the year.

(*e*) The number of newspapers published in the United Kingdom, received under the provisions of the Copyright Act during the past year, has been 3,343, comprising 210,844 single numbers; 1,294 of these newspapers were published in London and its suburbs; 1,586 in other parts of England and Wales and in the Channel Islands; 261 in Scotland, and 202 in Ireland; one volume of an old newspaper has been purchased; 176 sets, containing 23,949 numbers of foreign and colonial newspapers, have been presented; 84 sets, containing 12 volumes and 20,268 numbers of modern foreign and colonial newspapers, have been purchased; and 8 sets, containing 1,465 numbers, have been received by colonial copyright.

(*f*) The number of distinct works comprised in the 36,609 volumes and pamphlets, the 65,330 parts of volumes, the 1,233 maps and the 5,396 pieces of music already mentioned, amounts, as nearly as can be ascertained, to 38,504. Of these, 5,189 were presented, 16,878 acquired by English copyright,

copyright, 980 by colonial copyright, 381 by international exchange and 15,078 by purchase.

(*g*). 4,075 articles have been received in the Department not included in the foregoing paragraphs, comprising broadsides, Parliamentary Papers, and other miscellaneous items. The addition of this number to those already given produces a total of 116,255 articles received in the Department in the course of the year.

Acquisitions of Special Interest. — No opportunity of enriching the Library by purchases on an extensive scale has occurred during the past year, and the additions of chief importance have been early productions of the press. The most remarkable of these is Macho's French Bible, or rather abridgment of the Scriptures, printed at Lyons for Bartholomew Buyer about 1477; one of the rarest and most important of old French books, the first containing woodcuts, the first in which the place of imprint is specified, and preceding the first actual translation of the Bible into French by more than forty years. Only five other copies are known, and only one of these is perfect. The slight imperfection of the present copy is owing to two duplicate leaves having been bound up by mistake, and the right leaves omitted.

Another acquisition of unusual importance is the edition of Cicero's Offices printed at Rome by Sweynheym and Pannartz in 1469, one of the few works of those printers hitherto wanting to the Library.

A fragment of the Doctrinale of Alexander Gallus, one of the early productions of the Dutch press printed at Utrecht before 1470, is remarkable for its extent, four leaves, and for its unusually fine condition. The edition of Aurelius Victor and Sextus Rufus, printed at Naples by Sixtus Riesinger, about 1470, is a book of great rarity, and the copy now acquired is further remarkable as containing a letter of presentation written at the time of publication. An edition of the Epistle of Rabbi Samuel Marochitanus to Rabbi Isaac has also been purchased, which, although considered by Salvá to have been printed at Valencia in 1475, is in all probability a production of the Neapolitan press of about the same period. Other Italian incunabula of especial interest are: — Trez, Letiologia, Milan, 1488, remarkable for its unique titlepage; the first edition of the first Italian translation of Saint Jerome's Lives of the Fathers, Venice, 1475; the Sermons of Saint Augustine, Modena, 1477; the Psalter of Saint Bonaventura [Pavia, 1480]; Luca Pulci, Pistole, first edition, Florence, 1482; Merula, Bellum Scodrense, about 1473; Ferettus, De elegantia linguæ Latinæ, Forli, 1495, one of the only two books executed by the printer; and Francesco da Siena, Consiglio contra lo morbo pestilentiale, Cagli, 1475, one of the only three books printed there during the fifteenth century.

The acquisitions of remarkable early French books, or books printed in France, include a rare Cistercian Breviary, Paris, 1506; Chemin de lospital, Lyon, 1505; Treize elegantes demandes damour, Paris, 1530, a version of a portion of Boccaccio's Filocopo; Vergier Spirituel et Mystique, Anvers, 1535; Histoire de Guillaume de Palerme, Lyon, 1552; Du Bellay, Recueil de Poësies, Paris, 1553; Du Boulay, Le combat de la chair et de l'esprit, Paris, 1549; four very rare Calvinistic tracts, printed at Geneva about 1550; Traité des Dames, Paris, 1579; and Forcadel, Œuvres Poëtiques, Paris, 1579, the last and only complete edition, and a very beautiful book.

Among interesting Italian acquisitions not already named among incunabula may be mentioned Gazoldus, Anthropoviographia, [Bologna, 1512 ?], erroneously referred by Brunet to an earlier period; Guidiccione, Novella, Bologna, 1547, a book of great rarity; and a copy on vellum of a Bull of Pope Pius V., August 16, 1567, extending the privileges of the Mendicant Friars, with a spirited portrait of the Pope, in an engraving representing him delivering the document to the Mendicants.

The purchases of rare books printed in the Spanish Peninsula have been especially numerous and important. They comprise the first Spanish translation of Cæsar, Toledo, 1498; Gundisalvo de Villadiego, Tractatus de irregularitate, Salmanticæ, 1496; Michael Albert, Repertorium de pravitate hereticorum, Valencia, 1494; F. Ximenes, Sanctos Angeles, Burgos, 1490; Lucius Marineus Siculus, De Hispaniae Laudibus [Salamanca ? 1497 ?], suppressed in this first edition, no other copy of which is known; Silva, Segunda Comedia de Celestina, Medina del Campo, 1534; Ortega, Arithmetica, Barcelona, 1512; Fasciculus Mirrhe, Burgos, 1511; Las Sergas de Esplandian, a continuation of Amadis of Gaul, first and extremely rare edition, executed by Antonio de Salamanca, the printer of the Roman edition of the Amadis; Fernandez de Heredia, Obras, Valencia, 1562, extremely rare; Jarava's translation of portions of the Scriptures, bound up with Brucioli's Orationi into a charming little volume, with a lettering showing it to have been the companion of some persecuted Huguenot; a collection of *villancicos* or Christmas carols of the seventeenth century; Alfay, Poesias Varias, Zaragoza, 1654, containing in this copy two lyrics by Gongora which are almost always wanting. Two valuable Portuguese books have been acquired in the Letters of Jesuit Missionaries, printed at Coimbra in 1562; and the Prima e Honra da vida soldadesca no estado de India, Lisboa, 1630, an anonymous and very rare book, written at the zenith of the Portuguese power about 1570, exceedingly interesting for the light it throws on the relations of the Portuguese with the natives. The chief purchase among Spanish-American books has been that of the Mexican Gazette from 1784 to 1817, important for the history of the country.

Purchases

Purchases of German and Netherland books have not been numerous, but include three of especial interest: Soliloquium venerabilis Bonaventuræ [Strasburg, about 1470]; Ursulen Schifflin [Strasburg, 1486], the first edition of the Legend of St. Ursula; and Gemma Frisius De Principiis Astronomiae et Cosmographiae, Lovanii et Antverpiae, 1530, written to illustrate a set of globes, now lost; only two other copies of the book itself are known, both in public libraries A German translation of Apuleius, 1538; and Pellicarius, Der heiligen Aposteln Ankunfft, Wittenberg, 1531, are remarkable for their illustrations.

Among purchases of exceptional literary interest are that of the edition of the Eikon Basilike regarded by Mr. Almack as the first; of the extremely rare first American edition of Burns, Philadelphia, 1788; and of the first editions of Molière's George Dandin, Monsieur de Pourceaugnac, and Les Femmes Savantes.

The most remarkable addition to the library in early English literature is one of a set of poetical productions of the greatest rarity, and indeed most probably unique; George Tooke's "Belides," "Eagle Trusser," "Annæ Dicata," "Tragedie of Floris," "Legend of Britomart," very singular poems, privately printed in 1647. Turberville's "Tragical Tales," printed by Abel Jeffs, London, 1597, is also highly interesting; and other valuable acquisitions are Mathias Brothyel's Pronostycacyon, 1545; All the examinacions of the Constante Martir of God, M. John Bradforde, 1561; Calvin's Short Instruction against the pestiferous errors of Anabaptistes, 1549; and Godwin's Melissa Pontificia, 1620.

The principal collections acquired by purchase comprise one of 135 editions of the Imitatio Christi; a number of proclamations and other broadsides issued at Naples before and after the revolt of Masaniello; proclamations of the time of Charles the Second, and broadsides of a later date relating chiefly to trade and industry; and tracts concerning the civil wars in France in the early part of the seventeenth century.

Several very interesting curiosities have also been acquired. The most important is Horne Tooke's Journal during his imprisonment in the Tower, kept upon the blank leaves of an interleaved copy of his "Diversions of Purley," which also contain numerous philological notes and corrections for the forthcoming edition. Upon being transferred to Newgate, Tooke characteristically discontinued the journal. Very curious, too, is Voltaire's "Discours en vers" on the events of the year 1744, in three states—as a manuscript in the writing of his secretary, as a proof, and as published; all with corrections in Voltaire's hand. A somewhat similar curiosity is "La Création d'Eve' by Patris; including in one cover the unique vellum copy, one of the two printed on tinted paper, and one of the ordinary copies, of which

not more than a dozen are believed to exist. The Museum has also acquired the proof of James Hogg's "Chaldee Manuscript," which created so great a sensation in the early days of Blackwood's Magazine, with copious MS. additions by Hogg, none of which were printed; the proof-sheets of the correspondence between Burns and George Thomson, annotated by the latter; and the first volume of Sir Richard Burton's "Abeokuta," with corrections by himself for a second edition.

Donations.—Among these are to be particularly mentioned:—A set of engravings prepared for the "édition de luxe" of the works of Frederick the Great (1846–57), and completing the publication. *Presented by H.I.M. the Emperor of Germany.*

Geschichte der gross-herzoglich-hessischen Fahnen und Standarten, an illustrated work prepared by command of H.R.H. the Grand Duke of Hesse, by whom it is presented to the British Museum.

A most remarkable proclamation of Henry VIII. for diminishing extravagance in living:—Prouysion made by the King's hyghnes and his counsayll for puttynge a parte the excessyue fare and redusynge the same to such moderacion as folowyngly ensueth. Imprinted by Richarde Pynson. *Presented by the late Sir A. W. Franks,* K.C.B.

Barrett's History of Bristol, bound in nine volumes, and interleaved with water-colour and pencil drawings, chiefly executed by Miss Sarah S. Fripp, engravings, lithographs, and other illustrations of Bristol, and accompanied by a collection of Bristol municipal seals. *Presented by the Artist, Miss Sarah S. Fripp.*

An extensive collection of colonial newspapers, for 1894; *presented by the Royal Colonial Institute.*

Maps.—The principal accessions to the collection of maps have been:—Gerardi Mercatoris Atlas, sive Cosmographicae Meditationes de fabrica Mundi et fabricati figura . . . emendatus et appendice auctus studio Judoci Hondii. Sumptibus Johannis Cloppenburgii, Amsterodami, 1630. obl. 4to; showing part of the western coast of Australia; and the earliest known General Atlas in which any portion of that continent is represented.

Gerardi de Jode Speculum Orbis Terrarum, with Latin text by Daniel Cellarius. Antverpiæ, [1578.] fol.: exceedingly rare.

Two Celestial Planispheres of the Northern and Southern Heavens, from drawings by Albert Durer, entitled:—Imagines coeli septentrionales cum duodecim imaginibus Zodiaci-Imagines coeli meridionales. Joann. Stabius ordinavit. Conradus Heinfogel stellas posuit. Albertus Durer imaginibus circumscripsit,

circumscripsit, 1515. With the arms of, and dedicated to, Matthaeus Lang, Cardinal Archbishop of Salzburg.

Music.—The additions to the collection of music have been especially important. Chief among them are the Bass Part-Books of the following works printed at Venice by Ottaviano Petrucci in the first decade of the sixteenth century: "Misse Alexandri Agricole", 1504, "Misse De Orto", 1505, and "Misse Gaspar," 1506; of the last two only one other copy of the bass part is known to exist. The following rare Spanish musical works have also been acquired: "Tractado breve de principios de canto llano,", by Juan Despinosa (probably printed at Toledo, about 1525); "Libro de Musica de Vihuela de Mano, Intitulado, El Maestro. Valencia, 1536, by Luis Milan; "Poema Harmonico," Madrid, 1695, by F. Guerau; and a "Manuale Chori," printed at Salamanca in 1506, by Johannes de Porro. A number of rare musical works which formed part of the Borghese Library have also been secured; several of these are believed to be unique. Among them are a set of "Canzonette a tre voci," by an anonymous composer, who styles himself "L'Affetuoso," but is believed to be Tomaso Pecci, These books are engraved and probably appeared at Siena about 1610. Equally rare are the "Vivezze di Flora e Primavera," 1622, the "Virtuoso Ritrovo," 1626, "Principiante Fanciullo," 1625, and "Dialoghi," Concerti, etc." 1625, of Adriano Banchieri; the "Amorosa Schiera," of Orazio Tarditi, 1628; the 1st and 5th Books of the "Diversi Scherzi" of Antonio Cifra, 1613–17; an undescribed edition of the First Bookof Madrigals of Orlando di Lasso, Venice, 1584; and hardly less rare than these are Kapsberger's "Libro Primo d'Intavolatura di Chitarone," Venice, 1604, and J. U. Steigleder's "Tabulatur-Buch," Strasburg, 1627.

R. Garnett.

Department of Manuscripts.

1. *Catalogue of Additions.*—The copy of the descriptions and Index of Additional and Egerton MSS., acquired in the year 1894, and the Index for 1895, have been revised.

2. *Catalogue of the Stowe MSS.*—The second volume, containing the Index, has been published.

3. *Catalogue of the Royal MSS.*—The preparation of the new Catalogue is in progress, and two hundred and thirty MSS. have been described.

4. *Catalogue of the Sloane MSS.*—The Index has been revised from Gr to Mi.

5. *Catalogue of Papyri.*—The preparation of Volume II. of the Catalogue is in progress. Sheets B—Q have been revised; B—O sent to press. The greater part of the collection of Facsimiles have been taken, and the Indexes are being made.

Sixty-five Papyri acquired in 1896, and one acquired in 1895, have been described, and eighty, acquired in 1896, have been arranged and numbered.

6. *Catalogue of Seals.*—The Fifth Volume, containing descriptions of the Byzantine Bullæ and the Seals of France, is passing through the press. Sheets B—T have been sent to press.

Two thousand and eighty casts and seals have been arranged and registered.

7. *Catalogue of Romances.*—Descriptions of seventeen MSS. for the Third Volume have been drawn up.

8. *Catalogue of Music.*—Articles contained in one hundred and fifty MSS. have been described.

Four MSS. have been described for the Catalogue of Liturgies, with music.

Slips of first lines of vocal compositions have been written and incorporated with the alphabetical list of composers.

9. *Catalogue of Charters and Rolls.*—The final revision for the press of the General Index of names and subjects in the several collections of Charters and Rolls acquired before the year 1882 is in progress. Letters K, L, T, U, V, and part of W, of the topographical division, have been revised.

Fifteen hundred and ninety-six Additional Charters and Rolls (43,065–44,283, acquired during the year 1895, and 44,288–44,660, acquired during the year 1896) have been docketed, numbered, and arranged in boxes.

Additional Charters and Rolls 34,995–35,158, acquired in the year 1889, have been described.

10. *Classed*

10. *Classed Catalogue.*—An Index of first lines of 1,480 Latin Prose Theological Tracts (A—M of subject-headings in the classed Catalogue) has been prepared.

11. *Arrangement of Papers.*—Additional MSS., 34,727–34,747, 34,794, 34,797, 34,810, 34,812–34,818, acquired in 1895, and Additional MSS., 34,819, 34,821–34,874, 34,887–34,889, 34,891–34,899. 34,902–35,029, 35,031–35,042, 35,044, 35,057, 35,058, and the Hill and Nelson Papers, acquired in 1896, and Egerton MSS., 2,802, 2,804, 2,806, acquired in 1896, have been arranged, described, and indexed.

12 *Autographs.*—The second series of "Facsimiles of Royal, Historical, Literary, and other Autographs" has been published.

13. *Binding.*—One hundred and eighty Additional and nine Egerton MSS., newly acquired, and two hundred and ninety-eight MSS. of the old collections, have been bound or repaired.

Sixty-eight Charters and Seals have been repaired.

Ninety-five Papyri have been bound, and one hundred and fifty-two glazed.

Fifty-four Printed Books have been bound.

Five MSS. and Autographs exhibited have been glazed.

14. *Verification.*—The several collections of Manuscripts and one hundred and fifty-six boxes of Harley Charters have been verified by the shelf-lists.

16. *Stamping, folioing, and placing.*—Two hundred and sixty-one Additional and six Egerton MSS. have been placed and entered in the Hand-lists and Shelf-lists.

Ninety-three Papyri have been placed and listed.

Sixteen hundred and one Charters and Rolls, two thousand three hundred and thirteen Seals have been placed and listed.

Two hundred and nine Additional and Egerton MSS., three thousand and forty Charters and Rolls, and one hundred and ninety-eight Books of Reference have been stamped with a total of 21,178 impressions.

Two hundred and fifty MSS. have been folio'd with a total of 68,695 folios; and the Slip Indexes for Additions in 1894, 1895, with 8,703 folios.

17. *Hand and Shelf-Lists.*—A new shelf-list of the Papyri has been made.

18. *Consultation of MSS.*—The number of MSS. consulted in the Students' Room attached to the Department is 29,848, and of those delivered to the Reading Room 838.

The number of Charters and Rolls consulted by the Students is 1,457.

The number of Students working in the Department during the year is 9,730.

19. *Books of Reference.*—Two hundred and seven newly-acquired volumes and parts have been catalogued. The revision of the Catalogue is in progress.

20. *Acquisitions.*—The number of Manuscripts and Documents acquired during the year is:—

General Collections of MSS.	251
Rolls and Charters	1,596
Detached Seals and Casts	2,080
Papyri	78
Egerton MSS.	2

Among the older Manuscripts acquired during the year one of the most important is the so-called Gospels of St. Grimbald, a fine copy of the Four Gospels in Latin, written and illustrated early in the 11th century in the Monastery of Newminster (afterwards Hyde Abbey) at Winchester. It is decorated with miniatures of the Evangelists and elaborate borders in gold, silver, and colours in the best style of English art of the time. At the end is a copy of a letter from Fulk, Archbishop of Reims, to Alfred the Great, recommending Grimbald, a monk of St. Bertin, who was invited by Alfred to England and became first Abbot of Newminster.

Another acquisition of geat historical value comprises the military correspondence, letter-books, and other papers of General Rowland Hill, 1st Baron and Viscount Hill, chiefly during the period of his service in the Peninsular War and as second in command of the Army of Occupation in France in 1815–1818. A large number of autograph despatches and letters addressed to him by the Duke of Wellington are included.

The purchase of the Autobiography and Journals of Edward Gibbon, the historian, forming a part of the famous Gibbon Collection in the possesion of the Earl of Sheffield, was recorded in the Report for 1895. The remainder of the same collection, consisting of eight volumes of Gibbon's literary correspondence, together with a number of autograph essays and other papers, has now been secured.

Other acquisitions are as follows:—

Thirteen miscellaneous Greek documents on papyrus, with dates between the years 136 and 98 B.C. *Presented by E. R. Bevan, Esq.*

Fragments of miscellaneous Greek documents on papyrus, of the 2nd cent., B.C. *Presented by B. P. Grenfell, Esq.*

Fragments of Greek literary papyri of the 3rd cent., B.C.; also of the 3rd and 4th centuries.

Fifty

Fifty miscellaneous Greek documents on papyrus, from the 2nd cent. B.C. to the 7th cent., of considerable palæographical importance.

Two Latin papyri, of the 2nd and 3rd centuries.

The Four Gospels, in Greek; 12th century. With miniatures of the Evangelists. Vellum.

Liturgy of St. Basil, in Greek; 12th century. Vellum roll.

Registrum Brevium, containing two collections of precedents of writs, *tempp.* Edw. III.—Hen. VI.; 15th century. Vellum. *Presented by Sir A. Wollaston Franks,* K.C.B.

Anonymous Treatises on the Elements, and on Gems and Metals, in Latin, in an Italian hand; 15th century. *Presented by the same.*

Original letters and papers of the Family of Paston, of co. Norfolk, 15th–16th centuries; comprising the portion of the collection published by Sir John Fenn in Vols. III. & IV. of his edition, 1789.

Indulgence of Pope Eugenius IV. to Humphrey, Duke of Gloucester; 1431.

Register of Royal Warrants to John Fortescue, Master of the Wardrobe of Queen Elizabeth, for payments for materials and workmanship, with minute descriptive details of dresses, etc.; 1568–1589.

Original letters of Philip Gawdy to his father and brother, of West Harling, co. Norfolk, written when he was a student at Clifford's Inn, in office about the court, M.P. for Thetford, and engaged on board the "Revenge," in 1591, under Sir Richard Grenville; 1579–1616.

Five original letters of Charles I., the first to Sir Edw. Hyde from Oatlands, and the others written during his imprisonment at Carisbrooke; 1647–1648. With an anonymous letter to Charles II., written on white silk, 13 Mar. 1660.

Muster-rolls and accompts of Col. Thomas Reade's Regiment; 1658–1659. *Presented by R. C. Winthrop, Jun., Esq.*

Letter from Lord Sunderland, President of the Council, to the English Agent at Rome, announcing the birth of the Prince of Wales; 11 June, 1688. *Presented by Sir Edward Reid.*

Instructions of Lord Holland for raising moneys to pay the debts of his son, Charles James Fox, up to 100,000*l.*; 26 Nov. 1773. With an autograph Latin Prose exercise, at Eton, of C. J. Fox. *Presented by the same.*

Letter from Lord John Russell to Bishop Maltby of Durham, on "the late aggression of the Pope upon our Protestantism"; Downing Street, 4 Nov. 1850. The famous "Durham Letter." *Presented by Lieut. G. R. Maltby.*

A Royal Charter by Simeon Mogila, Woywode and Hospodar of Moldavia; 1607. With the Great Seal.

An appointment of a Familiar of the Holy Inquisition in Seville; 1641. *Presented by Max Rosenheim, Esq.*

Life, in French, of Louis de Marillac, Curé de St. Jacques de La Boucherie (d. 1696), by J. P. Triboulart, Vicaire de St. Paul; 18th cent. *Presented by Sir A. Wollaston Franks*, K.C.B.

"Orestes," an autograph tragedy, by Peter Bayley; performed at Covent Garden in 1825. *Presented by C. W. Stretton, Esq.*

"Wallace," a poem, and notes on the "Pilgrims of the Sun," in the autograph of James Hogg, the Ettrick Shepherd. *Presented by his daughter, Mrs. Mary Gray Garden.*

Autograph poems, English and Latin, by Walter Savage Landor; including most of the "Additional Poems" published in *Heroic Idylls*, etc., London, 1863. *Presented by Arthur de Noe Walker, Esq.*, M.D.

Original letters and papers of scientific and literary men; 1693—1868. Two volumes. *Presented by Spencer George Perceval, Esq.*

Letter from Jonathan Swift, Dean of St. Patrick's, Dublin, to Charles Ford; 22 June, 1736.

Letter, in Greek, from Konstantine Simonides, the literary forger, to Henry Cattley, concerning his alleged MS. of Uranius, etc.; 28 July, 1857. *Presented by Sir A. Wollaston Franks*, K.C.B.

Letter from Dante Gabriel Rossetti on the death of Madame Maenza; 23 Nov. 1878. *Presented by Mons. V. J. Vaillant.*

Notes and drawings made or collected by Professor John Henry Middleton, chiefly for his work, "The Remains of Ancient Rome," 1885. Six volumes. *Presented by his Widow.*

Rubbings of Brasses selected from the collections of Sir A. Wollaston Franks in order to supply the deficiencies of the several series already in the Department. Four volumes. *Presented by Sir A. Wollaston Franks*, K.C.B.

Descriptions of Brasses in English churches, by the Rev. Henry Addington; 19th cent. *Presented by the same.*

Collections made by Thomas Willement, with coloured drawings, etc., relating to the History of Stained Glass; 19th century. Eight volumes.

Original MS. of "The Elements and Practice of Agriculture," by Arthur Young; 1818. Thirty-four volumes.

Fair copy of the above MS., as prepared for the press [but not printed] by W. de St. Croix; 1852—1855. Ten volumes. *Presented by Mrs. S. Young.*

Journals of Tours on the Continent and in Great Britain, by John Josias Arthur Boase, of Penzance; 1824—1865. Twelve volumes. Profusely illustrated with engraved views, portraits, etc. *Presented by his son, George C. Boase, Esq.*

One hundred and seventy-three Charters relating to Culworth, co. Northampton; 13th—17th centuries.

One

One hundred and one Rolls relating to Whitchurch, co. Warwick; 15th–18th centuries.

Sixty-six Charters relating to Lincolnshire; 14th—17th centuries.

Twenty-three Charters and Rolls relating to Kent, etc.; 15th—17th centuries. *Presented by Rev. W. C. Streatfeild.*

A Charter relating to London; 1480. *Presented by Sir A. Wollaston Franks,* K.C.B.

Crown Sale of Henwode Priory, co. Warwick; 1540. With pen-and-ink portrait and Great Seal of Henry VIII.

Survey of Ore Parish, co. Sussex; 1817. *Presented by G. F. Barwick, Esq.*

Pedigree of the Family of Bayley, of Willaston, co. Chester, compiled by C. W. Stretton; 19th cent. *Presented by C. W. Stretton, Esq.*

Four Deeds relating to the Family of Bentham. *Presented by Sir Joseph Hooker,* K.C.S.I., C.B.

Four Charters of the Family of Danvers of Culworth, co. Northampton; 15th century. *Presented by F. N. Macnamara, Esq.*

Memoirs of the Family of De La Pole, Dukes of Suffolk, by Miss S. S. Fripp; 19th cent. *Presented by Miss S. S. Fripp.*

History of the Family of Hungerford and of Farley Hungerford Manor and Castle, co. Somerset, by Miss S. S. Fripp; 19th cent. *Presented by the same.*

Collection of Old English music by John Channing; 1694.

Musical church compositions in score and tabulature; 17th cent.

Musical compositions collected by Samuel Wesley, with numerous original MSS. of his own works; 18th—19th centuries. Thirty-two volumes. Among them are twenty preludes and fugues in the autograph of Johann Sebastian Bach. *Bequeathed by Miss Eliza Wesley, daughter of Samuel Wesley.*

Prelude and Fugue in the autograph of Johann Sebastian Bach, being No. 9 of the series included in the Wesley Collection above.

Musical compositions by Charles Wesley, Samuel Wesley, and a few others; 1770—1835. Two volumes. *Presented by Robert Glenn Wesley, Esq.*

Pianoforte pieces written in 1773, including juvenile compositions by Samuel Wesley; 18th cent. *Presented by the same.*

Edward Scott.

Department of Oriental Printed Books and Manuscripts.

Cataloguing and Arrangement.

The numbers of the sheets of the various Oriental Catalogues sent to press in 1896, are:—Arabic, 9 sheets; Coptic MSS., 4 sheets; Hebrew (Accessions), 5 sheets; Hindi, 5 sheets; Hindustani, 6 sheets; Japanese, 4 sheets; Sanskrit, $6\frac{1}{2}$ sheets.

The numbers of Titles written for the Catalogues are:—Angami Naga, 11; Arabic, 1,314; Armenian, 310; Assamese, 10; Bengali, 196; Bugis, 5; Canarese, 8; Chinese, 134; Coptic, 9; Ethiopic, 11; Garo, 20; Gujarati, 163; Hebrew, 656; Hindi, 153; Hindustani, 220; Japanese, 481; Javanese, 21; Kachari, 4; Kashmiri, 4; Khasi, 7; Kol, 5; Makassar, 4; Malay, 34; Maltese, 22; Manipuri, 9; Marathi, 100; Mikir, 4; Mondari, 4; Oraon, 16; Oriya, 33; Panjabi, 12; Persian, 157; Pushtu, 10; Sangi, 1; Sanskrit, 199; Santali, 15; Sindhi, 16; Sinhalese, 139; Sunda, 5; Syriac, 40; Tamil, 10; Tibetan, 5; Zend, 10.

Twelve Coptic MSS.; 131 Hebrew and Samaritan MSS.; 113 Hindustani MSS.; 99 Sanskrit MSS.; and 77 Sinhalese MSS.; were fully catalogued.

Short descriptions of 73 MSS. were entered in the Descriptive List, the Register, and the Classed Inventory. The descriptions of 167 Hebrew M.SS.were revised. Nineteen Printed Books (ff. 44,64), and 143 MSS. (ff. 18,609) were folioed.

The number of Oriental Printed Books consulted by readers during the year was 6,514, and the number of Oriental MSS., 5,408.

Binding.

The numbers of Printed Books and MSS. sent to the binders are: Arabic Books, 289; Chinese Books, 292; Hebrew Books, 173; Sanskrit Books, 118; MSS., 213; Pamphlets, 182.

Additions.

The number of works added to the Department during the year was 1,610, of which 1,535 were Printed Books and 75 were MSS.

Of the Printed Books, 392 were bought; 917 were received under the India Copyright Act and 114 under the Colonial Copyright Act; and 112 were presented.

The MSS. are:

Arabic	13
Armenian	1
Bengali	1
Burmese	1
Coptic	1
Hebrew (three being Hebrew-Arabic)	11
Malayalam	1
Pali in Burmese character	10
„ Sinhalese character	4
Panjabi	1
Persian	5
Samaritan	7
Sanskrit	1
Sinhalese	10
Syriac	2
Tamil	4
Turkish	1
A non-Aryan dialect not determined	1
	75

The most important acquisitions are:—

Arabic MSS.—1. The Canons of the Councils, preceded by the Apostolic Constitutions, and followed by a body of Canons addressed by Eustathius to Epiphanius, Patriarch of Constantinople; A.D. 994.

2. The Protevangelium of James, followed by Homilies and Lives of the Saints; A.D. 1172. 4°.

3. Dīwānal-adab: an Arabic Lexicon, by Isḥāk ibn Ibrāhīm al-Fārābi; A.D. 1470. Fol.

4. Al-Ḳānūn fil-ṭibb: a system of Medicine, by Ibn Sīnā; A.D. 1659. Fol.

5. Sirāj al-mulūk: a treatise on politics, by Muḥammad al-Ṭurṭushi; XVIIth cent. 4°.

6. The Psalms, followed by the Biblical Canticles, Arabic and Greek; XVIIth and XVIIIth cent. Large 4°.

7. A large portion of Yefeth's Arabic Commentary on Ezekiel, in the Hebrew character; A.D. 1459. 8°.

8. Samuel el-Maghrebi's "Book of Commandments," in the original Arabic, in the Hebrew character; A.D. 1510. 8°.

Coptic MSS.—1. A collection of coptic fragments, consisting mainly of Biblical and Patristic Texts. Among the

former are small portions (either on papyrus or on parchment) of Deuteronomy, I Samuel, the Psalms, Haggai, and of the Gospels, the Acts and the Epistles. Among the latter are some leaves from a Life of St. Mena, and parts of one or two Homilies; also a copy (abbreviated) of the letter of Christ to Abgar. The texts are chiefly in the Sa'idic dialect some in Arabic, and a few in Demotic. VIth to Xth cent.

2. A small collection of Coptic fragments, the most remarkable being a fragment of a papyrus leaf giving a patristic text in a hitherto unknown variety of the Middle Egyptian dialect, VIth or VIIth cent.

Hebrew MSS.—1. Tanhum Yerushalmi's Arabic Commentary on Ecclesiastes; A.D. 1326. 8°.

2. The decisions of Isaac of Trani (the younger); A.D. 1374, A very fine MS., with contemporary Italian illuminations. Fol.

3. Portion of an allegorical Commentary on the Pentateuch, by El'azar of Worms; A.D. 1542. Small 4°.

5. The smaller Talmudical Tractates, with a commentary by Yehudah 'Abbas; XVIIth cent. 8°.

5. "Shittah Mekubbeṣeth:" a volume of notes on the Talmudical Séder Ḳodoshim, etc.; XVIIth cent. Fol.

Hebrew Books.—1. Code of religious duties, by David Oppenheim. Grodno, 1792. 8°. One of the few books issued from the Press owned by Stanislaus Augustus, King of Poland.

2. The Targums (Chaldee Midrashic paraphrases) of the Song of Songs and Ecclesiastes. With the Latin translation of E. O. Schreckenfuchsius. Basle, 1553. 8°.

3. The Psalms. Leiden, 1592. 16°. One of the first Hebrew Books published by Raphelengius.

4. The Talmudical Treatise "Synhedrin." Printed by Gershon B. Moses Soncino; Barco, 1497. Fol. The only copy known.

5. The 'Ōmer Ritual. Amsterdam, 1717. 32°. Probably the smallest Hebrew Book ever printed.

Pali and other MSS.—1. A collection of Pali and other MSS. collected by the late Dr. Rost of the India Office. Among them are some writings, probably charms, on birch bark, apparently from the neighbourhood of Assam; one being in a non-Aryan dialect, but in a character allied to the Assamese.

2. The Sotabba-mālinī: a modern copy of a rare Pali MS., containing historical legends of interest; XIXth cent.

3. Vinayavinicchaya-Saṅgaha: a rare Pali text, with a Burmese Commentary; A.D. 1859.

4. A very

4. A very fine copy of the Manoratha pūranī, an important Pali Commentary; XIXth cent.

Samaritan MSS.—1. A large portion of an ancient Samaritan Service Book; A.D. 1258. 4°. The oldest known copy of the Samaritan Liturgy in Europe; it is also the oldest dated Samaritan MS. in the Museum.

2. Vellum Scrolls containing portions of Genesis and Deuteronomy in the Samaritan recension of the Hebrew Pentateuch; XIIIth cent.

Sinhalese MSS.—1. A collection of Sinhalese Buddhistic Tracts, written on palm-leaf in an antique and bold hand. In covers of wood, well carved and inlaid. XVIIth cent.

Syriac MSS.—1. The choral Service Book known as the "Octôechus"; A.D. 1179.

2. A fragment of the Life of St. Anthony;—the Life of Paul of the Thebaid;—a letter of Anthimus. A.D. 1214.

Robert K. Douglas.

Department of Prints and Drawings.

I.—Arrangement and Cataloguing.

The collection of playing-cards bequeathed by Lady Charlotte Schreiber has been examined, and all the items required for the Department selected, duplicates being returned to the executors.

The task of accurately comparing the early German woodcuts presented by Mr. W. Mitchell with those previously in the Museum has been completed, and a single series has been formed from the two sources; those by Dürer have been mounted and permanently arranged in chronological order, in nine solander cases.

The large English historical prints, hitherto preserved in five antiquarian solander cases, have been removed from their mounts and distributed with the works of the painters and engravers, a list of them having previously been drawn up for the purpose of reference.

A quantity of slight sketches by W. Blake, W. B. Cooke, J. Cristall, T. Gainsborough, J. Hoppner, and J. Jackson, forming part of the general collection of English drawings, have been removed from their mounts and arranged in albums for the sake of economizing space.

The work of mounting the collection of proof woodcuts by Thomas and John Bewick has been continued, and completed so far as all the important series are concerned.

The large collection of engraved title-pages presented by Sir A. W. Franks has been incorporated with that already possessed by the Department, and the whole arranged according to places and dates of publication.

The collection of etchings by foreign artists working in England has been re-arranged in three portfolios.

The collection of the works of Robert Graves, A.R.A., has been re-arranged.

The important collection of water-colour drawings of old buildings in London, by J. Wykeham Archer, has been re-classified, and a new index to it has been prepared.

The contents of one of the albums of Hollar's works have been re-arranged, recent additions being incorporated.

The contents of several cases in the gallery of the students' room, chiefly volumes of reproductions, have been classified and re-arranged in order to provide space for future additions.

All books of prints and books of reference acquired during the year have been indexed and placed.

The expanded index of artists of the French school has been printed and published. Two copies of it have been cut up, mounted on sheets, and bound in two volumes, to form the working index of the Department.

The preparation and transcription for press of a general catalogue of the collection of English portraits has been continued.

The preparation of a descriptive catalogue of the collection of English Drawings has been commenced and carried down as far as the name Copley.

The preparation of a catalogue of all the English mezzotints contained in the Department has been continued.

Catalogues have been prepared of all the books in the Department containing woodcuts of the German school, and of the German woodcuts placed with portraits and historical prints.

All the prints described in Bartsch's "Peintre-Graveur" which are possessed by the Department have been marked off in an interleaved copy of that work.

A new index to the works of Marcantonio Raimondi, Agostino Veneziano, and Marco da Ravenna has been prepared, with a key to the numbers in Bartsch.

The preparation of slips for an index to the collection of foreign Portraits has been commenced.

The catalogue of the collection of English mezzotints has been transcribed in slip form.

A list has been drawn up from the marked copy of Chaloner Smith's "British Mezzotinto Portraits" of all the prints mentioned therein, which are required to complete the Museum collection.

All new names have been entered, and all necessary alterations effected in the general indexes of artists.

One hundred and sixty-two drawings and two thousand and twenty-seven prints, recently acquired, have been incorporated with the collections to which they severally belong.

Four thousand eight hundred and fifty-nine prints, drawings, &c., recently acquired, have been impressed with the departmental stamp and references to the Register.

Three thousand and ninety-two items have been entered in the Register of Acquisitions.

The number of students admitted to the Print Room during the year ending 31st December 1896 was 5,762.

Two hundred and twenty-five applications were made for leave to photograph objects in the collection, and 1,333 photographs were taken.

II.—Additions.

The total number of prints, drawings, &c. acquired during the year was 4,994, of which the following are the most important :—

Italian School.

Drawings.

Buonarroti, Michelangelo. Lamentation of the Virgin and the disciples over the body of Christ; black chalk; one of the finest extant drawings by the master. On the verso, a sketch in red chalk, apparently for one of the captives designed for the tomb of Julius II. From the collection of the Earl of Warwick.

Campagnola, Domenico. Venus in a landscape; the original design for the engraving (B. xiii. 382. 7); pen and ink. *Presented by Mrs. Gilbert.*

Figino, Ambrogio. Two portraits of San Carlo Borromeo, one taken after death; black and red chalk.

Sarto, Andrea del. Sheet of studies in red chalk, drawn on both sides; among them are two studies for the head and figure of St. John in the picture of the Virgin and Child with St. John at Hertford House.—Study for the figures of St. Bruno and St. Onuphrius in the picture of the Madonna with Saints now at Berlin. Both from the collection of the late Lord Leighton, p.r.a.

Woodcut.

Campagnola, Domenico. Landscape with St. Jerome and two lions; a counterproof falsified to simulate an original drawing. *Presented by Mrs. Gilbert.*

Prints arranged to Illustrate the Works of Masters.

Sanzio, Raffaello (attributed to). Holy Family (type of the Madonna di Loreto); photograph from a picture at Welsh Bicknor rectory. *Presented by Rev. F. J. Aldrich-Blake.* Eight plates from Bonnemaison's "Études d'après cinq Tableaux de Raphael."

GERMAN SCHOOL.

Drawings.

Anonymous, School of Nuremberg. The Queen of Heaven; pen and ink. *Presented by E. Radford, Esq.*

Anonymous, Swiss. A battle; Indian ink. *Presented by Mrs. Gilbert.*

School of Burgkmair. Portrait of a man wearing a broad-brimmed hat; a finel coloured drawing in distemper

Etching.

Ridinger, Johann Elias. A horse attacked by a lion.

Woodcuts.

Dürer, Albrecht. The Little Passion; edition of 1511; thirty-seven cuts with the Latin text of Chelidonius. The same, edition of 1612, with the Italian text of Moro. *Presented by W. Mitchell, Esq.*

Prints arranged to Illustrate the Works of Masters.

Graimberg, Karl von. Set of six views of Heidelberg, engraved by C. Haldenwang, L. Schnell, and P. E. Aubert.

Laufberger, Ferdinand Julius Wilhelm. "Hochzeit" and "Der Tanz"; a pair, engraved by Eissenhardt. "Phantasie, Musik, Dichtung"; by Doby.

DUTCH AND FLEMISH SCHOOLS.

Drawings.

Meer, Jan vander II. Study of sheep; black chalk and water colours; signed and dated 1687.

Etching.

Anonymous. Members of the Franciscan order; a large composition in nine plates; published by J. A. Le Poutre, Antwerp.

Prints arranged to Illustrate the Works of Masters.

Berchem, Claes Petersz. Winter; by D. Lucas, mezzotint. *Presented by Mr. E. Leggatt.*

Rubens, Peter Paul. Eight antique busts, from drawings by him; by J. Faber, mezzotint.—Christ walking between the Virgin and St. Joseph; by S. à Bolswert.

French School.

Drawing.

Van Schuppen, Pierre. Portrait of Cardinal Mazarin; after P. Mignard; black chalk.

Etchings.

Boucher, François. Head of a lady wearing an aigrette and pearl necklace.—"Andromède"; finished by P. Aveline.

Flameng, Léopold. Five proofs of the plates to Charles Blanc's "L'Oeuvre complet de Rembrandt," 1859-61.

Gillot, Claude. Set of six plates of heathen divinities; modern impressions in red ink.

Johannot, Tony. Eight illustrations to "Werther," 1845; proof before letters.

Le Clerc, Sebastien I., "L'Amour et Psiche"; four plates.

Norblin, Jean Pierre. St. John the Baptist preaching; after Rembrandt; undescribed state.

Vigneron, Pierre Roch. Assassination of the Duc de Berry on 13th February 1820; set of nine subjects.

Woodcuts.

Lepère, Auguste. A collection of about 250 proofs of original cuts designed and engraved for "Paris au Hazard," by G. Montorgueil; without text; specially printed for the British Museum, the only similar set being in the Bibliothèque Nationale. *Presented by M. Henri Béraldi.*

Engraving.

Picart, Bernard. The Sciences; set of eight plates, 1729.

Prints arranged to Illustrate the Works of Masters.

Bonnart, Robert François. "Le Septentrion," "Le Midy," "L'Orient," and "L'Occident"; four plates by N. Bonnart.

Cochin, Charles Nicolas II. Twenty-one vignettes for Hérault's "Histoire de France"; by B. L. Prévost and others.

Coypel, Charles Antoine. "Ce dépit n'est pas redoubtable"; by P. L. Surugue.

Devéria, Eugène. History of Joseph; six plates by Henri. Laurens, Jean Paul. "Louis VI. granting the first charter to the people of Paris," and "Étienne Marcel protecting the Dauphin"; two lithographs by P. Mauron. *Presented by M. le Préfet de la Seine.*

Le Clerc, Sebastien II. The story of the Prodigal Son; five plates by Basan, Teucher, and Moitte.

Marillier, Clément Pierre. Nineteen vignettes for "Oeuvres Choisies de Le Sage," 1783; by De Launay and others.

Ozanne, Nicolas Marie. Ports of France; thirty-six plates by Y. M. Le Gouaz.

Vernet, Antoine Charles Horace ("Carle"), "Deuxième Suite de Chevaux"; six aquatints by Levachez.

Spanish School.

Prints arranged to Illustrate the Works of Masters.

Murillo, Bartolomeo Esteban. St. Anthony of Padua; photogravure from the picture at Berlin.

Artists of Foreign Schools Working in England.

Drawing.

Van der Straeten, Hendrik. Landscape, with river and waterfall; black chalk and water colours; signed.

Engravings.

Bartolozzi, Francesco, R.A. Portrait of Rosalba Carriera; after herself.

Benedetti, Michele. Portrait of Edmund Burke; after Reynolds; printed in colours.

Cardon, Antoine. The Marchioness of Donegal and children; after Masquerier; printed in colours.

Rigaud, Jean. "Diverses Vues du Château de Versailles"; six plates.

Prints arranged to Illustrate the Works of Masters.

Rigaud, Jean François, R.A. Last scenes in the life of Mary Queen of Scots; set of seven plates by W. N. Gardiner; stipple.

English School.

Drawings.

Benazech, Charles. The original designs for three of the series of plates of "The Last Days of Louis XVI.," engraved by Schiavonetti and Cardon; Indian ink.

Bonington,

Bonington, Richard Parkes. An album of thirty-four pencil sketches, chiefly groups of French peasantry.

Constable, John, R.A. Eighteen sketches of figures. *Presented by Mr. E. Leggatt.*

Gainsborough, Thomas, R.A. A cart passing along a country road; sepia and Indian ink.

Hogarth, William. Sixteen original designs for the series of prints entitled, "Industry and Idleness," eleven of them being finished drawings for the engraver, and the remaining five first sketches, including two for subjects not used in the engraved series. Formerly in the Strawberry Hill collection.

Hoppner, John, R.A. Two portraits of ladies; black and red crayons.

Landseer, Sir Edwin, R.A. Figure of a cavalier; a pen and ink sketch. Two sheets of pen and ink sketches of stags and hinds.

Reynolds, Sir Joshua, P.R.A. (attributed to). Portrait of a gentleman, a life-sized head; black and red chalk.

Romney, George. A sketch book of forty-three leaves containing pen and ink drawings. *Presented by Lawrence Romney, Esq.*

Walter, Henry. Portrait of Samuel Palmer, the water-colour painter; water colours. *Presented by the executors of the late George Richmond, R.A., in fulfilment of his wish.*

Williams, Hugh William. View of Roslin Castle; and the companion; water colours.

Etchings.

Arnald, George, A.R.A. "The River Meuse," 1828; six plates; in first state, before completion in mezzotint.

Constable, John, R.A. Colney; first state, before the donkey in foreground was removed. *Presented by Mr. E. Leggatt.*

Cruikshank, George. Business card of J. W. Bouton, bookseller of New York; two impressions, one of them coloured. *Presented by J. W. Bouton, Esq.*

Linnell, John. A gothic ruin; after J. Constable. *Presented by Mr. E. Leggatt.*

Lithographs.

Rothenstein, Will. Twenty-five original portraits, chiefly of Oxford characters. *Presented by the Artist.*

Shannon, Charles Henry. Thirty proofs of original designs. *Presented by the Artist.*

Engravings.

Bockman, G. Portrait of Thomas Hall; mezzotint; proof before the inscription.

Dawe, Henry. Portrait of John Haslam, M.D.; after G. Dawe; mezzotint.—Portrait of Lord Teynham; after H. P. Briggs; mezzotint.

Keating, George. Saint Cecilia; after G. Romney; printed in colours.

Lambert, P. Six plates relating to Freemasonry.

Lucas, David. Landscape with a rainbow; after J. Constable; proof before letters.—A peasant boy; after T. Gainsborough.—A man and dog taking shelter under a tree; after Gainsborough.—A boy and dog under a tree in the rain; after Gainsborough.—Portrait of Lord Liverpool; after Hoppner; proof before letters.—View of Jerusalem; after D. Roberts; unfinished proof.—*All presented by Mr. E. Leggatt.*

Parker, James. Twenty-one plates, after Stothard, Corbould, Northcote, and others.

Wilkin, Charles. Portrait of Mrs. Parkyns; after J. Hoppner; printed in colours.

Prints arranged to Illustrate the Works of Masters.

Buck, Adam. Set of six illustrations to the works of Laurence Sterne; coloured aquatints by Platt and Lewis.

Porter, Sir Robert Ker. Designs for Moore's "Odes of Anacreon"; eleven plates by J. Vendramini.

Rippingille, Edward Villiers. The Progress of Intemperance; set of six plates by S. W. Reynolds, jun.; mezzotint.

American School.

Woodcuts.

Lyonns, F. W. A collection of seventy-four proofs of his works. *Presented by the Artist.*

Oriental.

Fifteen ancient Chinese and two Japanese kakémonos.

Modern Prints presented by Publishers.

The Trustees have received from Mr. L. H. Lefèvre, of King Street, St. James's, artists' proofs of the following prints published by his firm during the year:—

Bonheur, Rosa. "Ready," by J. B. Pratt. "Patient," by J. B. Pratt. "Maternal Affection," by J. B. Pratt.

Godward, J. W. "Mischief and Repose"; etching by J. Turrell.

Sadler, Walter Dendy, "Breach of Promise"; etching by J. Dobie.

Schmalz, Herbert. "A Gift for the Gods"; by J. Jacquet.

Williams,

Williams, J. Haynes. "The Governess"; by E. G. Hasler, mezzotint.

They have also received from the Berlin Photographic Company proofs of the following reproductions:—

Alma-Tadema, Laurence. R.A. "Fortune's Favourite."
Anderson, S. "A Flight of Doves."
Blinks, Thomas. "Hark to Jowler." "Now ride, lads!"
Crofts, Ernest, R.A. "Napoleon's Last Attack, Waterloo."
Falero, Luis. "Towards a better World."
Prynne, A. E. Fellowes. "The Desire of all Nations."
Sadler, W. Dendy. "A Cure for Gout."
Stone, Marcus, R.A. "The Sailor's Sweetheart."
Strudwick, John Melhuish. "Golden Strings"

Portraits.

Foreign.

Fontenelle, Bernard de; after Voiriot, by P. G. Langlois.

Gerson, Jean; engraved copy of the woodcut published in early editions of his works.

Leyden, Lucas van; by H. Hondius.

Mantua, Charles Ferdinand Gonzaga, Duke of; after C. Woutier, by C. Meyssens.

Marie Leczinska, Queen of France; after J Nattier, by Duponchelle.

Oordt, Jan van; Dutch violinist; photograph. *Presented by W. B. Squire, Esq.*

Sain and Wittgenstein, John, Count of; after A. von Halle, by C. Galle, jun.

Saumaise (Salmasius), Claude; by Boulonnois.

Somer, Bernardus; by J. Gole, mezzotint.

Tilly, John Tzerclaes, Count; by J. Kenkel, mezzotint.

Urban VIII., Pope; by C. Mellan.

Vasseur, Jacobus; by J. Gole, mezzotint.

English.

Clark, Thomas, organist of Dulwich College; photograph from a picture at the College. *Presented by W. B. Squire, Esq.*

Fairfax, Ferdinand, Lord; by R. S. Henderson, Charles Cooper; photograph. *Presented by G. B. Henderson, Esq.*

Henderson, John; photograph from a drawing by C. Varley. *Presented by G. B. Henderson, Esq.*

Hoadley, Benjamin, D.D., Bishop of Bangor; by G. Vertue.

Marlborough, John Churchill, Duke of, K.G.; mezzotint published by C. Weigel.

Marlborough, George Spencer, Duke of; by F. Bartolozzi; proof before letters.

Morgan, Mrs., and daughter; with title "Maternal Love"; after J. Russell, by P. W. Tomkins.

Reading, John, organist of Dulwich College; photograph from a picture at the College. *Presented by W. B. Squire, Esq.*

Stuart, Miss; after G. Willison, by V. Green, mezzotint.

Walker, Frederick, the artist; five photographs. *Presented by Mr. E. Leggatt.*

William III. and the Duke of Schomberg; after G. Kneller, by M. Ford, a very rare mezzotint; injured impression, coloured.

Costume.

Twenty-four plates of Spanish costume; after Manuel de la Cruz, by Juan de la Cruz, 1777.

Fifteen plates of Neapolitan costumes; etchings by G. Dura.

The Elements; four plates by N. Bonnart.

The Quarters of the Globe; four plates published by A. Trouvain, 1695.

The Senses, Sciences, etc.; nine plates published by J. Mariette.

Twenty-four plates of Oriental costume, by G. Scotin and others.

"Costumes of the lower orders of London"; set of twelve etchings by T. D. Busby, 1820; coloured.

Sets and Collections.

The collection of Playing Cards bequeathed by Lady Charlotte Schreiber, briefly referred to in the last annual report, has now been sorted and registered. It consists of 158 Italian, 394 German, 207 French, 172 English, 55 Spanish, 59 Swiss, 18 Dutch, 14 Flemish, 4 Russian, 3 Swedish, 3 Portuguese, 8 American, and 41 Oriental packs, together with upwards of 200 uncut sheets, 28 original wood blocks, many prints cut from books, wrappers, advertisements, and prints relating to cards; in all 1,686 items. The collection includes, with many other interesting examples, the curious "Stukeley" pack; an unique sheet of a suit of cups, attributed to the "Master of the Banderoles," c. 1470; five of the second series of the so-called "Tarocchi di Mantegna," which were required to complete the Museum set; the very rare pack by Jost Amman, 1588; a sheet by André Perrocet, early 16th century; the well-known heraldic pack by Brianville; and eleven scarce English historical packs, illustrating the Popish Plots, the Rump Parliament, Monmouth's Rebellion; the reigns of James II. and Queen Anne, and the Sacheverell Trial.

A collection of 232 engraved title-pages, including many by Elstracke, Cecill, Payne, Marshall, and other early English engravers; 104 engraved portraits, English and foreign. An album containing 299 sheets of drawings for playing cards,

cards, chiefly Italian, and a number of proof impressions of court cards. Fifty small vignettes by Chodowiecki, J. M. Storck. E. Riepenhausen, aud A. W. Kuffner. A large collection of portraits, views, etc., cut from the "Illustrated London News" for 1885–95. *Presented by Sir A. Wollaston Franks*, K.C.B., P.S.A.

A collection of proofs of the illustrations to the "Century Guild Hobby Horse," 1886–92, with many of the original designs for the same by Selwyn Image, H. P. Horne, and others. *Presented by H. P. Horne, Esq.*

One hundred and sixty-one engravings by Robert Graves, A.R.A., required to complete the Museum collection of his works. *Presented by Algernon Graves, Esq.*, F.S.A.

A collection of thirty-five proofs of book illustrations engraved on wood by G. Childs, E. and G. Dalziel, J. Jackson, J. Thompson, S. Williams, and others.

Fourteen photographs from crayon portraits of royal and noble personages, chiefly English, preserved in an album in the Municipal Library at Arras. *Presented by the Trustees of the National Portrait Gallery.*

Five picture posters advertising exhibitions at the Goupil Gallery. *Presented by Messrs. Boussod, Valadon & Co.*

Books of Prints.

Acland, Sir Henry. The Plains of Troy; aquatint by F. C. Lewis, 1839; a panorama, mounted and folded.

Brookshaw, G. "The Horticultural Repository," 2 vols. 1823; with 104 coloured plates.

Carpaccio, Vittore. "La Capella degli Schiavoni in Venezia"; with 30 photogravures.

Carracci, Annibale. "Galeriae Farnesianae Icones"; 24 plates by P. Aquila.

Carracci. "Raccolta di Pitture d'Annibale e d'Agostino Carracci," with seven plates by C. A. Pisarri. "Raccolta di Pitture dal Lodovico Carracci"; with twelve plates by C. A. Pisarri.

Duplessis, Georges. "Les Portraits dessinés par J. A. D. Ingres"; with 20 photogravures.

Dutertre. "Collection des Têtes du célèbre Tableau de la Cène par Leonardo de Vinci," 1808; with 14 plates.

Holbein, Hans. Portraits of Illustrious Personages of the Court of Henry VIII.; 54 reproductions by Hanfstaengl of the drawings at Windsor, with text by R. R. Holmes, F.S.A., 1896.

Landseer, Thomas, A. E. Characteristic portraits of Animals, 1829–31; 30 etchings.

Lippmann. Friedrich. "Lucas Cranach," with 64 reproductions.

Murray, C, Fairfax. "Catalogue of the Pictures at Welbeck Abbey," illustrated with 56 photogravures, 1894. *Presented by His Grace the Duke of Portland.*

Pippi, Giulio. "Il fregio di Giulio Romano dipinta nella Farnesina," 1813, with 18 plates.

Térey, G. von. "Die Handzeichnungen des Hans Baldung," vol. 2, with 64 reproductions, 1896.

Rembrandt van Ryn. Eighteen photogravures from his pictures in the Berlin Museum.

"Faits Memorables des Empereurs de la Chine"; 24 plates by Helman.

"Uylenspiegel" for 1856; 52 parts, with 103 lithographs, chiefly by Felicien Rops.

Views of Alkmaar, Delft and Dordrecht; after A. Rademaker, by L. Schenk, 1736; 67 plates.

Pompeii; a series of 120 unfinished plates by J. Fisher and J. Whessell, from drawings by G. Townley, 1820.

Westall, William, A.R.A. "Views of Fountains Abbey and Studley Park, Yorkshire"; 8 aquatints in wrapper, 1846.

"The Public Edifices of the British Metropolis"; published by C. Taylor, 1825; with 21 plates.

"World's Columbian Exposition, 1894; Official Illustrated Record;" in eleven parts, containing 116 whole page etchings, photogravures and chromolithographs from pictures by V. Corcos, E. Toudouze, G. Rochegrosse, C. Chaplin, H. W. Mesdag, A. Hacker, J. Pettie, L. Rossi, E. von Blaas, C. Troyon, Rosa Bonheur, J. L. Gérome, J. S. Sargent, and others; printed on Japanese paper.

"Rudiments of drawing the Human Figure, from Cipriani, Guido, Poussin, Rubens"; drawn and engraved by T. Cheesman.

Prout, Samuel. "Exteriors drawn on stone," 1833; 24 lithographs.

Schreiber, Lady Charlotte. "Playing Cards," vol. III., 1895. *Presented by the Author's executors.*

Books of Reference.

Bouchot, Henri. "Le Cabinet des Estampes de la Bibliothèque Nationale." *Presented by the Administration of the Bibliothèque Nationale.*

Twenty-three works by Ephrussi, Thausing, and others, connected with the study of early woodcuts. *Presented by W. Mitchell, Esq.*

Sidney Colvin.

Department of Egyptian and Assyrian Antiquities.

I.—*Arrangement, Cataloguing, etc.*

Egyptian Antiquities:—

The general re-arrangement of the Egyptian Collection has been continued, and a number of important objects acquired during the year have been incorporated and exhibited.

Four hundred and twenty seven labels have been written and painted, and attached to objects in the exhibition cases; one thousand and four labels have been prepared for writing; two large cases have been fitted with trays to hold tablets; one hundred and forty "angle-blocks," and one hundred and two pedestals, stelæ frames, &c., have been made; one thousand four hundred scarabs, figures, and other objects, have been cleaned and mounted; fittings have been built into one table case, and the great exhibition case in the second Northern Gallery has been fitted with trays.

One thousand four hundred and eight objects of the various collections have been registered; seven hundred and nineteen scarabs have been catalogued; two hundred and ninety-five Coptic and other ostraka have been copied and collated.

The section of the General Guide describing the antiquities in the Department has been revised and enlarged. The description of the papyri for publication has been continued.

Assyrian Antiquities:—

The general re-arrangement of the tablets has been continued. The re-arrangement, classification, revision, and labelling of the contents of the cases in the Nineveh Gallery have been completed, and large general labels have been affixed to the cases. The contents of the case containing the cones, mace-heads, figures, &c., of the earlier Babylonian Empire have been re-arranged, classified, and labelled.

Three hundred and four "case-tablets," and tablets have been repaired; four hundred tablets have been cleaned; about one hundred and fifty "joins" have been made; one boundary stone has been repaired; one hundred and thirty-four "case-tablets" have been opened; metal stands have been made for fifty-four stone tablets, and other Babylonian antiquities; sixty-two figures, &c., have been mounted on stone plinths; six pedestals have been made for the inscribed cylinders; ventilation shafts have been cut in the Assyrian basement, behind the slabs, &c.

The case list for the Assyrian room has been continued, and a list of the tablets exhibited in the Ninevah Gallery has been made.

About four hundred and nine tablets of the various

Babylonian collections have been copied for purposes of publication.

Thirteen hundred and eighty-six tablets of the various collections have been registered; two thousand four hundred and thirty-two tablets of the Kouyunjik Collection have been verified with the registers, and found to be correct.

The fourth volume of the "Catalogue of the Cuneiform Tablets in the Kouyunjik Collection," and the first two parts of a publication containing Cuneiform texts entitled, "Cuneiform Texts from Babylonian Tablets, &c., in the British Museum," have been issued.

Twenty paper impressions of inscriptions have been made.

Students:—

One thousand five hundred and thirty-nine visits have been made to the Egyptian and Assyrian Department by students and others; and nine thousand seven hundred and six objects have been issued to them for study.

II.—*Acquisitions.*

Purchases.

i. Egyptian:

1. Mastaba door from the tomb of Ka-tep, an officer of Khufu (Cheops), King of Egypt; about B.C. 3700.
2. Two limestone censers or censer-holders from the tomb of an official of Khufu (Cheops), King of Egypt; about B.C. 3700; they stood, one at the head and one at the foot of the sarcophagus).
3. Limestone slab which formed the covering of the door of a pit leading to the sarcophagus chamber of Teta, a high official who flourished during the IVth dynasty; about B.C. 3700. In it is a rectangular cavity, wherein stands a figure of the deceased wearing a wig, necklace, and tunic; in the tunic is a short dagger.
4. Painted limestone seated figures of Ka-tep and his wife, who appear to have been relatives of Khufu (Cheops), King of Egypt; about B.C. 3700.
5. Six inscribed bas-reliefs from the tomb of Ari; Vth dynasty.
6. Inscribed limestone altar with four cavities wherein offerings were placed; Vth dynasty.
7. Two small, rectangular stone altars; Vth dynasty
8. Nine alabaster vessels of various shapes and sizes; about B.C. 2500.

9. Stele,

9. Stele with figures of the god Sebek and a king, in relief; XIth or XIIth dynasty; about B.C. 2600.
10. Ten variegated stone vases. From Gebelên.
11. Large alabaster vase of unusual shape; XVIIIth dynasty. From Abydos.
12. Limestone stele of Nesi-pa-qa-shuti, a high official of Abydos; XVIIIth dynasty. From Abydos.
13. Black granite kneeling figure of an official called Ka-em-Uast, who flourished in the time of Thothmes IV.; XVIIIth dynasty; about B.C. 1500.
14. Limestone *ushabti* figure made for Un-nefer; XVIIIth dynasty. From Abydos.
15. Limestone *ushabti* figure made for Neb-mehit; XVIIIth dynasty. From Abydos.
16. Painted wooden stele; XXIInd dynasty; about B.C. 1000.
17. Bronze weapon ornamented with a lotus flower and buds, over which is flying a water fowl; XXIInd dynasty.
18. Blue stone "Canopie" jar, with the head of a hawk.
19. Black stone *ushabti* figure; XXIInd dynasty.
20. Large breccia or "agglomerate" stone figure of the goddess Thoueris, in the form of a hippopotamus. From Lower Egypt.
21. Green stone figure of Osiris; XXIInd dynasty.
22. Gilded fine stone, ram-headed hawk, inscribed on the base, "Amen Rā, the lord of beauties;" XXVIth dynasty.
23. Black stone weight inscribed with the prenomen and titles of a king of the XXVIth dynasty, either Psammetichus I., or Hophra.
24. Three hundred and ninety-four scarabs, inscribed with names and titles, etc., of priests and followers of Amen; from B.C. 1000 to 600. From Abydos.
25. Bronze shrine inscribed with the name of Necho, King of Egypt; about B.C. 612. From Lower Egypt.
26. Gold figures of Ptah and Hathor taken from inside the shrine.
27. Two green basalt scarab inscribed with Chapter XXXB. of the Book of the Dead.

 28. A collection

28. A collection of blue and green glazed *faïence* figures of gods, priests, animals, etc., of the period which lies between B.C. 1000 and 600. Very fine work from Tūna in Upper Egypt.

29. A stone paint slab.

30. Red terra-cotta vase.

31. Portion of a bronze cylinder covered with figures of the gods in gold plate.

32. A mummied hawk with a human head.

33–35. Three demotic papyri.

36, 37. Two steatite stelae with figures of Horus in relief and magical inscriptions.

38. Two red terra-cotta figures of Græco-Egyptian deities. Ptolemaïc period.

39. Ivory plaque from a box.

40. Painted plaster head of a female from a coffin of the Græco-Roman period; about A.D. 100. From Upper Egypt. A very fine example of this class of antiquity.

41. Two sets of light blue glazed *faïence* amulets, consisting of a winged beetle, two hawks' heads, the four children of Horus, etc. Late period. From Upper Egypt.

42. A mummy, preserved with bitumen, covered with a very handsome gilded *cartonnage* case, whereon, in hollow-work and relief, are figures of the gods, amulets, sandals, jackals, etc., of the Græco-Roman period. From Upper Egypt.

43. Four painted *cartonnage* cases made to resemble the forms and faces of the dead bodies over which they were placed. They are all made of waste pieces of papyrus, and judging from the style of the Greek writing which is found upon them, cannot be older than the IInd century of our era. Names of the people for whom they were made appear in demotic, and mythological and other scenes are painted upon them in a manner which suggests that their true significance was not known to those who copied them on to the cases; about A.D. 200–300. From Upper Egypt.

44. Mummy and coffin of a child. The coffin is made in the form of Osiris, the god of the dead, and the figure holds the emblems of sovereignty and dominion which are characteristic of the god; about A.D. 200–300. From Upper Egypt.

ii. Assyrian:

ii. Assyrian:—

1. Three baked clay cones bearing an inscription of a viceroy called Mul-babbar in Accadian, and Amel-shamash in Semitic; the city over which he ruled was called Isban (?) The text records the dedication of a temple to the goddess Nin-khar-sag "the mother of the gods." Mul-babbar reigned about B.C. 4000. (Nos. 15,781–15,783.)

2. Stone mace-head of Ninkagina, son of Ka-azaggid, a high official of the city of Lagash, who flourished about B.C. 2500. The text contains a prayer on behalf of Ninkagina and Nam-makhani, the reigning viceroy of the city. (No. 22,396.)

3. Four inscriptions of Rim-Aku [Arad-Sin], King of Larsa; about B.C. 2500. The text contains an invocation to the goddess Ninin-sina, on behalf of Rim-Aku and his father Kudur-Mabug. (Nos. 21,890–21,893.)

4. A group of circular clay tablets inscribed in Accadian with public accounts, lists of revenue and produce, drawn up for the city of Ur; about B.C. 2300. They seem to belong to the period of the "Second dynasty of Ur," and although the names of the kings for whom they were made are not mentioned, there is reason for supposing them to have been Bur-Sin II., Ine-Sin, and Gamil-Sin.

5. A collection of four thousand seven hundred and sixty-two Babylonian contract and other tablets belonging to the period which lies between B.C. 3000 and 2000.

Presents.

I.—1. A set of "foundation deposits" from the Temple of Queen Hātshepset (about B.C. 1600), at Dêr-el-bahari, consisting of: (1) an alabaster jar; (2) models of adzes, a hoe, and a "winnower"; (3) leather thongs for hoes; (4) a clay pot; (5) a basket workstand; (6) a reed mat; and (7) copper plaques.

2. Two masks from Christian mummies.

3. Five blue-glazed *faïence* scarabs.

4. A bead inscribed Senmut, the name of the architect of the Temple of Dêr-el-bahari.

5. Half of a similar bead.

6. Two heads inscribed with the names of Aahmes-nefert-àri, wife of Amasis I.; B.C. 1700.

Presented by the Egypt Exploration Fund.

II.—1. Black stone figure of an Egyptian official in the style of the Early Empire; about B.C. 3000.

Presented by General Sir Richard Harrison, K.C.B.

III.—1. Two red terra-cotta vases containing mummied objects.

2. A small collection of fragments of red terra-cotta, painted with designs in black.

3. Green basalt scarab covered with a gold plate, inscribed with a hieroglyphic text of the Chapter of the Heart (XXX. B.) from the Book of the Dead. The gold plate belongs to a period subsequent to that in which the scarab was made.

4. Greenish gray granite statue of Māiu, son of the scribe Ani, and of the lady Nub-nefer, a priest of Menthu, the lord of Hermonthis, XXIInd dynasty; about B.C. 1000.

5. Portion of a grey granite statue of a king or prince of Egypt; about B.C. 1600.

Presented by Somers Clarke, Esq.

IV.—1. Fragment of an inscription of Haldani, King of Van; about B.C. 800.

Presented by Pastor Wilhelm Faber.

V.—1. Upper portion of a madrepore Muhammedan gravestone.

Presented by R. White, Esq.

E. A. Wallis Budge.

Department of Greek and Roman Antiquities.

I.—*Arrangement, Cataloguing, etc.*

The re-arrangement of the Ephesus Room has been nearly completed; an archaic Ionic capital from Ephesus has been restored and erected in the Archaic Room, and part of another placed under glass; 22 sculptures, two mosaics, and one inscription have been repaired and mounted.

Moulds and casts have been made from four fragments of the Erechtheum, the figures of Cecrops and his daughter in the west pediment of the Parthenon, a stelè in the Phigaleian Room, the Ionic capital from the archaic temple at Ephesus, and four Aretine vases.

The pedestals and plinths of the Ephesus, Nereid, Mausoleum and Archaic Rooms, as also the mosaics on the North-Western Staircase, have been cleaned; 74 vases, 21 terra-cotta reliefs, and the collection of objects in gold, porcelain, ivory, and fragments of pottery from Enkomi in Cyprus, have been cleaned and repaired.

The terra-cotta reliefs in the Etruscan Saloon have been re-arranged and re-mounted; four cases have been prepared and fitted up with velvet for the gold ornaments from Cyprus; 25 vases have been mounted on plinths, and a series of gems and rings on velvet-covered blocks; progress has been made in mounting on tablets the collection of surgical instruments and other small objects in bronze; a plinth has been prepared for a glass shade in the Etruscan Saloon; 60 wood and 7 ebonized labels have been prepared; wall-cases 19–25 of the Etruscan Saloon have been fitted with shelves and papered.

The walls and ceilings of the Second, Third, and Fourth Vase Rooms have been painted and decorated; the walls and ceilings of the North-West Staircase painted; five drawings have been framed and placed in the Sculpture Galleries; the vases in the First Vase Room have been re-numbered; a series of duplicate antiquities from Curium in Cyprus has been presented to Eton College; 1,996 bronzes have been catalogued and 128 fac-similes of bronze stamps made; 532 objects have been registered; 467 descriptive titles written and attached to objects.

Volumes III. and IV. of the Vase Catalogue, and a publication entitled "White Athenian Vases," have been issued; the section of the General Guide describing the antiquities in the Department has been revised and enlarged, and progress has been made with the Catalogues of Vases (Volume I.), Sculpture (Volume II.), and Bronzes.

II.—*Acquisitions.*

By Donation.

I.–1. Mosaic with representation of Heracles in the garden of the Hesperides (compare Millin, Gal. Myth. ii., pl. 113).

2. Mosaic with representation of three boys at play.

3. Marble relief of fishermen dragging a dead body in a net (Arch. Zeit. 1864, pl. 172, fig. 2).

4. Marble relief: three women fleeing from a boar.

5. Marble relief, from sarcophagus, inscribed with the name of Octavius Isochrysus (C. I. Lat. vi., 23,287).

6. Marble sepulchral tablet, inscribed with the name of T. Aurelius Saturninus (C. I. Lat. vi., 3222).

Presented by Lord Aldenham.

II.—Fictile fragment of lekythos of black ware, inscribed VESTAI POCOLO (Notiz. degli Scavi, Feb. 1895, p. 45).

From Civita Lavinia. Presented by the late Lord Savile, G.C.B.

III.—Three silver votive tablets with representations of Jupiter Dolichenus, and dedications to the same. (Compare Hettner, De Jove Dolicheno, pp. 31–36; Ber. d. Wien. Akad., Phil.-hist. Cl. xii. p. 39, xiii. p. 233; Arch.-Epigr. Mittheil. aus Oesterr. 1893, p. 177).

Found at Heddernheim, near Frankfurt-on-Maine. Presented by the late Sir A. Wollaston Franks, K.C.B.

IV.–1. Early red-figured kylix; woman at laver.

2. Red-figured oinochoè; Satyr dancing.

3. Kylix with black and red figures; armed slinger and mule (Klein, Lieblingsinschr., p. 32, No. 5).

From Vulci; formerly in the Canino Collection. Presented by Miss Agnes F. Pariss.

V.—Red-figured Nolan amphora; Eros with torches and youth running; inscribed Χαρμίδης καλός.

Presented by E. P. Warren, Esq.

VI.—Bronze figure of Harpocrates.

From Egypt. Presented by Somers Clarke, Esq., F.S.A.

VII.—Two fragments of a red-figured kylix, part of which is already in the Museum (Catalogue of Vases, iii., E. 1.).

From Chiusi. Presented by Dr. P. Hartwig.

VIII.—Fragment of terra-cotta statuette, draped.

From Veii. Presented by R. T. Günther, Esq.

By Purchase.

I.—*Objects in gold.*

1. Sphendonè with floral designs architecturally treated; fourth-century B. C.

2. Belt or head-band in fragments, with embossed lines.

3. Chain, of delicate workmanship, ending in lions' heads, with pendants in the form of shells.

4. Oval pendant or bezel of ring, with embossed figure of Eros and filagree work.

5. Head of hair-pin formed of two negroes' heads back to back.

6–7. Two heads of hair-pins in form of female head.

8–22. Fifteen gold ornaments or fragments of chains and rings.

1–22. *Found in a tomb at Sta. Eufemia del Golfo in Calabria* (*see* Lenormant, La Grande-Grèce, iii., p. 98).

23. Seal in form of ram's head, with design of a wolf-man in combat with a lion. *Poli-tis-Chrysokhou, Cyprus.*

24. Ring with intaglio design of biga. *Cyprus.*

25. Ring with intaglio; Athenè Nikephoros.

26. Ring with bezel on which is engraved a figure of Fortuna.

27. Earring ending in lion's head.

28. Pair of earrings of twisted wire ending in figures of Cupid. (25-28. *From Crete*).

29. Pair of earrings ending in tigers' heads.

30. Pair of earrings ending in female busts.

31. Chain of finely-wrought links, ending in lions' heads.

32. Ring with garnet intaglio; bust of Victory. *Cyprus.*

II.—*Silver.*

Pin with inscription in Argive characters, ΤΑΜΘΕΡΑΜ, Τᾶς Ἥρας. *From Argolis.*

III.—*Bronze.*

1. Term of Heracles, muffled in the lion's skin. *Halicarnassos.*

2. Archaic statuette of nude beardless man. *Thebes.*

3. Tablet with archaic Greek inscription, being an instrument of colonisation between the Naupactians and Locrians (Roberts, Greek Epigraphy, i., No. 231).

4. Tablet with archaic Greek inscription; part of a treaty of reprisals between the towns of Chaleion and Oeantheia,

on the gulf of Corinth (Roberts, Greek Epigraphy, i., No. 232).

3–4. *Found at Galaxidi, near Delphi; formerly in the Woodhouse Collection.*

IV.—*Marble.*

Sepulchral urn, sculptured with figures of birds, and inscribed with the names of two children, L. Cocceius Dexius Clymenus and C. Sergius Alcimus (C. I. Lat. vi., 10,224).

V.—*Terra-cotta.*

1. Sarcophagus with gabled cover, painted with representations of battles, an inroad of Cimmerians into Asia Minor, funeral games, animals, and decorative patterns; Ionian art of 6th cent. B.C. *Clazomenae.*

2. Figure of woman seated on rock, looking into a mirror.

3–4. Two figures of Eros flying.

5. Figure of woman holding fan.

2–5. *From Eretria.*

6. Female head wearing blue coif. *Anthedon.*

7. Figure of draped woman. *Samos.*

8. Group representing an old man teaching a boy to write. *Eretria.*

9. Part of mould for bowl of Aretine ware; design representing Alexander the Great slaying a lion, Crateros coming to his aid (Plutarch, Vit. Alex., 40; Dragendorff, Terra Sigillata, pl. 4, figs. 14 and 16); stamped with name of artist, M. PEREN.

10. Mould of similar bowl; alternate masks of Satyrs and Mænads, and thyrsi; stamped with names of artists, M. PEREN. and TIGRAN.

11. Mould as before; chariots of Dionysos, Aphroditè, and Heracles, with attendant figures; signed P. CORN. and PARIDES.

12. Fragment of similar mould; three girls dancing (compare Dragendorff, Terra Sigillata, p. 42).

13. Fragment of similar mould; sacrifice offered by Satyrs and Mænads at birth of Dionysos (compare Dragendorff, Terra Sigillata, p. 45); signed TIGRANI.

14. Mould for small bowl; musicians and dancers.

15–16. Moulds for two small bowls, with patterns of vine-wreaths and flowers.

17. Fragment of mould as before; dancing Mænad (compare Dragendorff, Terra Sigillata, p. 45).

18. Stamp

18. Stamp for making a mould, in the form of a figure of Summer.

9–18. *From Arezzo.*

VI.—*Pottery.*

1. Amphora of Græco-Phœnician fabric, with figures of Sphinxes and women in black outline and brown washes on drab ground. *Carpas, Cyprus.*

2. Red-figured kylix, with interior design of warrior. *Asia Minor.*

3. Fragmentary red-figured kylix, with figure of Hermes; signed by Hermaios.

4. Fragment of late Athenian red-figured vase, with marriage scene (compare Athen. Mittheil., 1891, p. 384).

VII.—*Engraved Gems.*

1. Agate intaglio; gryllus formed of two female heads.

2. Hæmatite cone, with two lions erect.

3. Part of bronze-gilt ring, with intaglio setting; Satyr playing flutes.

1–3. *From Crete.*

4. Sard scarab; horse rolling.

5. Sard intaglio; head of Heracles, inscribed ΤΡΥΦ Τρύφ[ων].

6. Carnelian scaraboid; Sphinx.

7. Onyx cameo; portrait of old man.

4–7. *From Cyprus.*

8. Sardonyx cameo; Psychè as a butterfly approaching the sleeping Cupid.

9. Carnelian intaglio; Odysseus and Diomede slaying Dolon. *Cadiz.*

10. Carnelian intaglio, part of; Satyr with thyrsos, walking.

IX. Excavations at Enkomi, near Salamis, in Cyprus, were carried on between March and September 1896 with the fund bequeathed by Miss E. T. Turner, supplemented by a contribution from the grant for purchases. The site was a cemetery of the Mycenæan period, and yielded a considerable collection of Mycenæan and early Cypriote objects. The chief groups of objects found are :—

(1.) Gold ornaments, including stamped diadems and mouthpieces, earrings, necklaces, finger-rings, and pins.

0.125. (2.) Ivory

(2.) Ivory reliefs, with hunting-scenes, groups of animals, etc.

(3.) Hæmatite and other cylinders; in two instances with cuneiform inscriptions.

(4.) Porcelain objects, including vases, plates, and rhytons, in the form of human and animal heads.

(5.) Fictile objects of the Mycenæan period, including vases with chariots, stags, bulls, and marine creatures, such as the cuttle-fish, together with numerous "false amphoræ;" and other characteristic forms.

(6.) Vases of the early Cypriote wares.

A special publication describing the excavations carried on under the Turner bequest at Amathus (1893–4), Curium (1895), and Enkomi (1896) is in preparation.

A. S. Murray.

Department of British and Mediæval Antiquities and Ethnography.

I.—*Arrangement.*

Mediæval Room.—The re-furnishing of this room is in progress. The completion of the wall cases on the northern side in February of the past year, has already been recorded. The old cases on the southern side have now been taken down, and the erection of others of the new pattern is in progress. It was found necessary, in order to make the final arrangement of the objects easier, to make detailed notes of all measurements, and of the construction of the old fittings. The specimens removed have been in part stored in cupboards and drawers; but as many as possible have been kept on exhibition in the wall cases and central cases of the Asiatic Saloon.

Anglo-Roman and Anglo-Saxon Rooms.—A considerable improvement has been made in these rooms, both as to appearance and for the greater safety of the collections, by replacing the old covers of the table cases by others of the new pattern.

The principal objects from the Gibbs Bequest have been re-mounted on velvet covered tablets.

Pre-historic Room.—A series of modern examples of stone implements in their handles, &c., has been arranged in a frame and exhibited in this room, with labels showing their relation to the similar implements of early times.

Ethnographical Gallery.—The various sections of this gallery have been kept under careful observation, and many of

of them have been cleaned, and in some instances re-arranged. The specimens not protected by glass have been twice cleaned. Explanatory labels have been prepared for native methods of manufacture, *e.g.*, bark-cloth; of the methods of producing fire; the use and distribution of peculiar weapons, &c. In addition to these general labels, a great number of card labels have been written for individual objects.

The upper range of wall cases has been continued over the North Asiatic section, and two collections, from the Maldive Islands and from the Gilyaks of the River Amur, have been arranged in the new cases.

A very large series of beads and minute ornaments from Kumassi have been arranged.

American Room.—A number of the smaller objects in this room have been arranged afresh, mounted on boards and labelled.

The registration of current acquisitions has been continued and 956 objects have been registered, and 532 ethnographical objects have been drawn and described for the Slip Catalogue. One hundred and twelve old acquisitions have been catalogued on slips. One hundred and thirty-six mounting boards and tablets have been made, and 51 have been covered with paper. One hundred and four blocks and plinths have been made; 10 stands for alabaster slabs, and 26 block labels have been made.

One hundred and fifty ethnographical objects have been mounted, and 1,054 antiquities have been mounted on tablets for exhibition.

One hundred and seven labels have been painted; and 2,010 labels and headings of catalogue slips have been printed with the hand press in the department.

During the year, there have been 1,307 visitors to the studies of the department.

II.—*Acquisitions.*

(1.) *Early British and Prehistoric Antiquities:*—

A typical series of implements found on a palæolithic floor at Caddington, near Dunstable, by Mr. Worthington G. Smith. The series includes a number of specimens in which the flakes struck off in the manufacture of the implements have been discovered on the site, and replaced.

Three Drift implements from Hoxne, Suffolk, from the Amyot Collection; presented by Sir A. Wollaston Franks, K.C.B.

A series of minute flint implements, found by the donors on March Hill, near Rochdale; presented by H. Colley March, Esq., M.D., and F. Ll. Griffith, Esq.

An "incense-cup" with impressed decoration from a barrow at Pontglas, Tregaron, co. Cardigan; presented by Sir A. Wollaston Franks, K.C.B.

A bone pin and three pottery rings, found in 1889 in gravel pits at Kempton, Beds., and presented by the Rev. Leonard Hassé.

The upper stone of a saddle quern, found near Rainow Macclesfield; presented by J. C. Horsfall, Esq.

An axe of jadelike stone of West Indian type, found at Milton, Cambs., and flint implements from London, Berkshire, &c.; from the collection of the late Mr. Bernhard Smith.

A bronze spear-head found in the Thames at Windsor, and another from Marlborough, Wilts. A halberd-head of bronze found at Kingston-on-Thames. A bronze spear-head of fine workmanship, and two bronze pins found at Fenny Bentley, Derbyshire, a unique socketed celt found in the Thames at Wandsworth, and a bronze palstave, probably from the Carlton Rode hoard; all presented by Sir A. Wollaston Franks, K.C.B.

An iron sword of late Celtic work in an ornamented bronze sheath, found at Sadberge, co. Durham, and bronze horse-trappings from the great find at Stanwick, Yorkshire. Iron and bone objects of the same period, from Hunsbury Camp, Northants; presented by Sir A. Wollaston Franks, K.C.B.

The foreign illustrations include :—

A bronze torquis, and pommel of a dagger from France, an iron sword from St. Quentin (Aisne), and bronze ornaments from Mainz and Heddernheim.

A series of chert implements from the desert near Thebes, Egypt; presented by H. W. Seton-Karr, Esq.

(2.) *Anglo-Roman* :—

Circular dishes of pewter found at Sutton, Isle of Ely.

A number of specimens of pottery from London, Chester, Liverpool, &c., from the collection of the late Mr. Loftus Brock; a large number of small objects, pins, styli, spindle-whorls, &c., in various materials, all found in London, and from the collections of Mr. Josiah Cato and Rev. Sparrow Simpson; objects probably from the Yorkshire caves (Dr. Barnard Davis collection); and fibulæ, spoons, rings, &c., from London, Essex, and Gloucestershire (Gomonde collection); all presented by Sir A. Wollaston Franks, K.C.B.

Three small pottery vases found during excavations at Fort Borstal, Chatham, and presented by the Secretary of State for War.

Bronze pin, surmounted by a bust of Juno, found at the Mansion House, and presented by G. F. Lawrence, Esq.

(3.) *Anglo-Saxon, and Foreign Teutonic* :—

Two silver brooches, two of bronze, bronze buckles, &c., found at Ickwell, near Canterbury.

An iron sword with ornamented hilt, from the Rhine.

(4.) *Mediæval and Later :—*

(a.) *English.*—A jet chess-piece, a bishop, found at Thelton, Norfolk, from the Amyot Collection ; fragments of ornamental silk from the tomb of St. Cuthbert ; a series of pilgrims' signs, &c., of lead ; portion of a slate mould found in Liquor-pond-street, London ; and a silver matrix of a seal of a peculiar of Effingham ; presented by Sir A. Wollaston Franks, K.C.B.

A silver matrix of a seal, with an intaglio head of Hercules on cornelian, said to have been found in Ireland. An armillary dial made by Elias Allen, of London, and a pair of brass compasses made by John Hill, 1680.

Medallion portraits in pear-wood of Speaker Onslow and Lord Raymond, Chief Justice of the King's Bench, 1727 ; presented by Sir A. Wollaston Franks, K.C.B.

Matrices of seals in steel and brass of the Duke of Dorset, Marquis Camden, the Earl of Romney, etc. ; presented by Sir John Evans, K.C.B.

A remarkable bronze flagon and cover, with English mottoes around the side, on the cover the badge of Richard II. ; obtained at Kumassi during the late expedition.

A bronze weight of Tudor period found at Storey's Gate, Westminster ; an inscribed bronze mortar made for or by David Hoppringil, 1562, and an unusually fine set of twelve painted fruit-trenchers in their original box ; presented by Sir A. Wollaston Franks, K.C.B.

Two watches, one in a chased gold case, the other of agate and gold. A universal dial of brass, by W. & S. Jones, and medallion portraits in bronze gilt of personages of the time of George II. and III. ; presented by Sir A. W. Franks, K.C.B. A silver dial, parcel gilt, made by Ben Workman, of London.

Silver gilt badge of the magistrates of Westminster ; presented by C. Drury E. Fortnum, Esq., D.C.L.

(b.) *Foreign.*—An ivory panel carved in relief with the Baptism in Jordan, 6th century work. Ivory head of a crozier, with the ox of St. Luke, obtained from Italy, 13th century work, and probably French.

Two pieces of carved bone from Egypt ; presented by Henry Wallis, Esq. A bronze *situla*, and a spoon-like object from the ruins of a Byzantine town at Medinet Habu, Egypt.

Circular gold medallion with a bust of Our Lord in cloisonné enamel, Byzantine work of the 10th century. Portable altar of porphyry mounted in copper gilt, and engraved, having at the corners the emblems of the Evangelists in champlevé enamel, from Avignon, French work of the 13th century. A holy water bucket of gilt copper, with translucent enamel medallions, probably Spanish, of the 14th century ; obtained in Saragossa. A reliquary of rock crystal and silver gilt in the form of a church, French, 14th century. A pair of altar candlesticks of copper gilt, and engraved in open work with

monsters, and with large crystal balls; from a church at Adana, near Iskanderun; French work of the 13th century.

Reliquary in the form of a figure of the Virgin seated, with shield of arms in champlevé enamel, copper gilt, and engraved with figures of Our Lord and two disciples. French, 13th century. From the East.

Small seal of green stone with a figure of the Virgin. Byzantine, 10th century.

Copper badges enamelled with armorial and other devices; from Spain, 15th and 16th century work.

Pair of candlesticks of bronze engraved with minute ornament, outlined with silver; Venetian, early 16th century; and three German brass salvers of the 15th century, one of them of unusual size; presented by Sir A. Wollaston Franks, K.C.B.

A hook of iron, inlaid with bronze of Arab work, and two other pieces of similar work inlaid with silver.

Bronze celestial globe, made from the design of Abu'l Husein Abdelrahim es Sûfy in the year of the Hejira 834 (=A.D. 1430).

Another made by P. Petit, 1659; presented by H. Yates Thompson, Esq.

A cup dial of copper gilt, made by Bartholomew, Abbot of Aldersbach, in Bavaria, 1554. A cube dial by D. Beringer, 17th century. A copper gilt folding dial by Hans Troschel, 1609, another of ivory by the same maker, and a third, of ivory, by Conrad Karner.

A brass square with radial index, German, dated, 1573; a gunner's level engraved with Mars, and another by G. Z., 1619; presented by Max Rosenheim, Esq., F.S.A.

Square dial made by J. Ramminger, of Stuttgart, 1704.

Bronze model of a church with square tower; Italian, early 15th century.

A brass case with an elaborate inscription and designs; it appears to have belonged to some object made for Marc Antonio Fregoso, son of a Doge of Genoa, in 1516; a statuette of the Virgin and Child, Flemish, late 16th century; a carved horn box, medallion portrait of Victor Amadeus III., of Sardinia, and a number of small antiquities from the collections of Mr. Josiah Cato and the Rev. Dr. Sparrow Simpson: all presented by Sir A. Wollaston Franks, K.C.B.

Terra-cotta figure of Neptune, a design for a fountain, probably Florentine work of the 16th century; presented by Baron Ferdinand Rothschild.

A pear-wood mould for making relief portraits of George Duke of Saxony, 1530–1539, a work of unusual excellence; a cuirbouilli powder flask, with a fleur-de-lis, 16th century, a casket of the same material of the 17th century, and an engraved gourd; presented by Max Rosenheim, Esq., F.S.A.

Part of an iron gauntlet of the 14th century, found in Westphalia; presented by Stadtrath Richard Zschille.

An

An ivory pommel with satyr head, and a carved medallion in pearl shell. Italian 16th century.

Three boxes containing counters for games, draught boards, men, dice, &c.; presented by the executors of the late Lady Charlotte Schreiber.

Bronze escutcheon with the arms of France, 18th century; presented by Henry Willett, Esq.

A cameo bust in onyx of a female head in gold mount, early present century; bequeathed by Mrs. Anne Servantes.

An alabaster copy of the Portland Vase, probably made in Italy in the last century; presented by Forbes E. Hallett, Esq.

(5.) *Ceramic and Glass Collections:—*

(a.) *Chinese and Japanese Porcelain, Persian, &c.*—A few additions have been made to the Franks Collection. A number of specimens of popular Chinese pottery and porcelain, collected by the donor at Yaumati; presented by Dr. W. G. K. Barnes, R.N.

A square vase of elegant form, painted in green enamel on a yellow ground; presented by George Salting, Esq., F.S.A.

A porcelain plate, with a peony in relief, probably Seto ware; presented by Julius Spier, Esq.

A candlestick of lustred Persian ware, and the foot of another, found at Fostât, near Cairo; presented by Henry Wallis, Esq.

Three vases of early Persian pottery, one of them resembling in form a pharmacy jar, and a small jug or coffee pot of later date.

Five Persian tiles and eleven other specimens of Persian pottery; presented by Sir A. Wollaston Franks, K.C.B.

(b.) *Continental.*—Six wall tiles of Moorish design of early 15th century work, from Toledo, and four tiles of 16th century date, from the province of Seville; presented by Señor Don Guillermo J. de Osma.

A bowl with sgraffiato design of a bird, probably 14th century and Italian work, from Cairo, and two painted tiles of Italian ware of early 16th century.

A plate, probably of Faenza ware, and two late examples of Italian pottery; presented by Sir A. Wollaston Franks, K.C.B.

A green glazed German stove-tile, with subject in relief, dated 1689.

A large series of pottery vessels, &c., German, Italian, &c., chiefly found in London, and from the collection of the late Mr. Loftus Brock; a large flask of Rhenish stoneware; a stove-tile of German pottery, from Lüneburg, and a fine panel of Alcora ware, with the Bearing of the Cross, from the Reynolds Collection; two vessels of German pottery; all presented by Sir A. Wollaston Franks, K.C.B.

(c.) *English.*—A number of mediæval and later vessels found in London, from the collection of the late Mr. Loftus

Brock, and two sack-pots of Lambeth delft, dated 1639 and 1640; presented by Sir A. Wollaston Franks, K.C.B.

A plate of Turner's Queen's ware, with the arms of Giffard impaling Courtenay; presented by John Tolhurst, Esq., F.S.A.

A number of examples of Bristol porcelain; presented by Hugh Owen, Esq., F.S.A.

(d.) *Glass.*—Three bowls and a bottle from Cyprus; two millefiori bowls, one of lace glass, one of banded glass, and a pyxis and cover, all from the Greek Islands. A cameo with two busts in white on purple ground.

An Arab mosque lamp with enamelled decoration and a shield of arms.

A Teutonic drinking vessel with lobes at the sides, from the Rhine.

A pendant stamped with two heads, and a coin weight with a Byzantine monogram; glass vessels from London excavations; drinking glass with the arms of West Friesland, and imitation cameo portraits of the First Empire; all presented by Sir A. Wollaston Franks, K.C.B.

Bottle painted in oils with figure of St. Nicholas of Bari, and two Venetian tumblers painted with processions of the Doge.

Thirteen portrait medallions by Tassie, and a number of other examples of his work; presented by Max Rosenheim, Esq., F.S.A.

(6.) *Collection illustrating various Religions:*—

(a.) *Christianity.*—Silver cross reliquary with numerals and Hebrew inscriptions. Bronze cross with inscription in Greek, recording the performance of a vow by John son of Engolios.

(b.) *Hinduism.*—A brass water pot with inscriptions to Rama. A steatite vessel with Krishna, Ganesa, etc.; presented by Sir A. Wollaston Franks, K.C.B. Brass figures sacrificial utensils, etc., from Nepal and India.

(c.) *Buddhism.*—Clay tablets stamped with figures of Buddha, from Pagan and Tegoung, Burmah; presented by Sir A. Wollaston Franks, K.C.B.

Gilt wooden figure of a Buddhist-Shinto deity, and a roll-picture of the 14th century representing the Twelve Dewas, from Japan; presented by Kumagusu Minakata, Esq.

A paper scroll representing a number of scenes in the incarnation of Dalai Lama, obtained in China, and presented by Baron H. S. Sternburg.

(7.) *Oriental and Ethnographical:*—

A Persian dagger and a pair of shears for the ceremonial cutting of a prince's hair, from Siam.

A silver

A silver heart-shaped amulet with Arabic inscriptions, found near Persepolis; presented by John Ussher, Esq.

A silver priming-flask, nielloed and gilt, from the Caucasus; a Japanese lacquered dressing-case, a staff, a remarkable wooden figure of Ono-no-Komati (a famous poetess), iron spearheads, bronze vases, and a lacquered clothes rack; two bronze candlesticks formed of figures of men, a wooden "sceptre of longevity" from China, and three tiles of glazed pottery from the Meingoon Pagoda, Burmah; all presented by Sir A. Wollaston Franks, K.C.B.

A box for fighting crickets and pottery from Kowlung, China; presented by Dr. W. G. K. Barnes, R.N.

A glazed pottery vase found at Thibaw, N. Shan States; presented by Edward Oates, Esq.

A Japanese doctor's "sword" of wood, elaborately carved; presented by Julius Spier, Esq.

A rain coat and sandals from Singapore; presented by Lieut. S. S. Flower.

An important ethnographical collection from Sarawak, Borneo, consisting of costumes, utensils, weapons, models, etc.; presented by Her Highness the Ranee of Sarawak.

Africa.—A painted vase of pottery from the Kabyles, presented by J. Moyr Smith, Esq.; and three vases from the same tribe, presented by Miss Wallace Dunlop.

A bag containing the keys of the Dervish treasury at Dongola; presented by Sir Elwin Palmer, K.C.M.G.

A collection from Uganda; presented by the Rev. John Roscoe. Set of tools of a Yao blacksmith, Nyasaland; presented by Sir Harry H. Johnston, K.C.B. A "Mancala" board, for a game, from Nyasaland; presented by Alfred Sharpe, Esq., Deputy Commissioner and Consul, British Central Africa.

Execution stools and bell, from Kumassi, Ashanti; presented by Sir William Maxwell, K.C.M.G. Glass beads and other ornaments from the same place; presented by the Government of the Gold Coast. Two gold chains, a drum, standard, silver-mounted stool, etc., from Ashanti. A set of dancing masks, juju figures, and drums from the Sobo country, Lower Niger; presented by Major Copland-Crawford, D.S.O. A figure from the Mambi district of French Congo; presented by T. E. Tomlinson, Esq. Large pottery vases, copper armlets, and iron objects, excavated by Mr. J. H. Ozanne, on the north bank of the River Gambia; presented by the Colonial Office.

A remarkable sacrificial stool of pink quartz, probably an object of considerable antiquity, obtained by the donor at Ifé, in the Yoruba country; presented by Sir Gilbert Carter, Governor of Lagos.

Two volumes of careful drawings, by William J. Steains, of African objects; presented by Sir Henry Peek, Bart.

Oceania.—Specimens of Hawaiian bark-cloth brought home by Captain Cook; presented by S. H. Tonks, Esq. A Maori "tiki" (or figure of an ancestor) of jade, of unusual size and colour. A series of objects from New Zealand, comprising carved feather-boxes, clubs, etc.; presented by William Strutt, Esq. Two lithographed portraits of Maoris; presented by Mrs. Trepplin; and a horn from Santa Cruz Island, Western Pacific; presented by George Denton, Esq.

America.—A circular plate and other gold ornaments found in the Republic of Colombia; a Patagonian blanket, presented by J. Roger, Esq.; and a soapstone figure found at Cowichan, Vancouver Island.

III.—Christy Collection.

Twelve hundred and fifty-eight objects have been registered.

Fifteen hundred and twenty-nine additional slips have been prepared for the Registration Catalogue, with sketches of the objects.

The following donations have been received by the Christy Trustees, and by them transferred to the Trustees of the British Museum:—

1. *Prehistoric Antiquities of Europe, Asia, and Africa:—*

Twenty-two Drift implements, from Warren Hill, near Icklingham; presented by Sir A. Wollaston Franks, K.C.B. Five implements from the Drift at Farnham, Surrey; presented by Sir John Evans, K.C.B.

A collection of flint arrow-heads from the East Riding of Yorkshire; presented by Thomas Boynton, Esq., F.S.A. Flint inplements from the Manor at Twickenham and Richmond; presented by G. F. Lawrence, Esq. Stone axe-head from Beauly, co. Inverness; presented by Henry Griffith, Esq., F.S.A. A hammer-head from Kingston-on-Thames; two flint arrow-heads from Glenavon, co. Banff; an arrow-head from Ilford, Essex; two implements from Penza, Russia; a collection of chart implements from Poland, and a chart knife from Thebes, Egypt; all presented by Sir A. Wollaston Franks, K.C.B.

Chert arrow-heads from Tuna, Egypt; presented by Captain Myers.

An important series of stone and obsidian implements, pottery, etc., from kitchen-middens at Otaru, Omori, and Hakodate, Japan; presented by John Anderson, Esq., M.D.

2. *Ethnography of Asia :—*

A number of carpenters' and other tools from Sze'chwan, China; two figures, krises, spearheads, etc., from Lombok; a collection of ornaments from the Sonthals of Bengal, Nepal, and Sikkim; and an important collection from the Gilyaks of Saghalien; presented by Sir A. Wollaston Franks, K.C.B.

Wooden vessels, fish-traps, etc., from Siberia, from Miss Marsden. Portions of dress from Palestine; presented by Justin Shilih Kirreh.

3. *Ethnography of Oceania and Australasia :—*

A large number of objects from the various groups of the Pacific, among them carvings in wood and jade from New Zealand, a carved wooden figure from Easter Island, ornaments from New Guinea, Australia, etc.; presented by Sir A. Wollaston Franks, K.C.B.

A carved wooden box from New Zealand; presented by F. Ll. Griffith, Esq., F.S.A. A carefully-finished *meré* of jade, given by the Chief Tetoro to Captain Sadler, R.N., in 1833; presented by Charles H. Read, Esq.

4. *Antiquities and Ethnography of America :—*

An interesting series of pottery vessels, copper ornaments, and a stone axe, found in graves in the N.E of Cauca, Republic of Colombia; presented by Robert B. White, Esq.

Pottery vessels from Recuay and other places in Peru; a stone mould and a copper figure from the Republic of Colombia; ornaments from Peru, Bolivia, and Brazil; objects from the Indians of Guiana, the N.W. Coast, from the Eskimo, etc. all presented by Sir A. Wollaston Franks, K.C.B.

A comb and belt from the Indians of the Rio Uaupes; presented by J. Edge Partington, Esq.

The Trustees of the Christy Collection have purchased, from funds at their disposal, the following collections or objects, which they have likewise added to the Christy Collection: A characteristic series of stone implements of palæolithic type from Somaliland; portions of dress, etc., from Tibet; a large number of weapons and other objects from the Pacific Islands and Australia; a series of objects, weapons, etc., from the Eskimo; and a few stone implements from Mexico.

Charles H. Read.

Department of Coins and Medals.

I.—*Exhibitions.*

In preparation for the exhibition of a representative series of Anglo-Saxon and English, etc. Coins, 528 electrotype facsimiles have been arranged and mounted in chronological order (in the window-cases), extending from the beginning of the series down to the end of the reign of Queen Elizabeth.

II.—*Registration and Arrangement.*

1. *Greek Series:—*

493 coins have been registered, and 15 incorporated.

The coins of ancient Cyprus, of Barata in Lycaonia, and of Hierocæsarea in Lydia, have been rearranged, in accordance with the latest attributions; the coins of Chalcis sub Libano have been removed to Cœle-Syria; four coins, hitherto classed as "uncertain of Peloponnesus," have been placed under Colophon; a series of tetradrachms has been transferred from Antioch in Syria to the mints of Tyre, Sidon, etc.; a series of coins issued at Babylon by Alexander and his successors has been collected under that mint; and the Imperial coins formerly ascribed to Epiphanea in Syria have been removed to the Cilician town of the same name.

The Greek coins in the Montagu Collection and in the two portions of the Bunbury Collection, as well as a series of Cypriote coins, have been examined, and selections made for the Museum.

The series of Alexandria, of Perseus, King of Macedon, and of the Kings of Thrace have been examined in answer to the queries of various foreign scholars, and, where necessary, casts have been supplied.

The collection of sulphur-casts of coins of Phœnicia, Alexandria, etc., illustrating the work of Mionnet, has been incorporated with the other casts, which are now arranged in 14 cabinets.

The manuscript bibliography of Greek Numismatics has been brought up to date.

In preparation for the Catalogue of the coins of *Galatia, Cappadocia, Syria*, etc., the following series have been arranged in chronological order, and the specimens in silver weighed:—Chalcis, Palmyra, Antioch ad Orontem, Apamea, Balanea, Emisa, Epiphanea, Larissa, Paltus, Rephanea, Rhosus, Nicopolis, Gabala, Seleucia Seleucidis, Laodicea ad Mare, Capitolias, Demetrias, and Heliopolis.

Casts have been made for the illustration of the Catalogue of *Lycia*, etc., and arranged on forty-three plates.

2. *Roman Series:—*

38 coins and medals have been registered and incorporated.

The series of silver coins from the beginning of the Empire to

to A.D. 296, has been rearranged under Emperors, with a subordinate arrangement under mints; labels have been affixed to the trays and cabinets.

The collection of gold coins in the Montagu Collection, and a collection of coins found in England, have been examined, and selections made for the Museum.

A large collection of photographs of portraits on Roman Republican and Imperial coins has been arranged and mounted for use in the Department.

3. *English Series*:—

279 coins and medals have been registered, and 44 incorporated.

The work of writing tickets referring to the published volumes of the Catalogues has proceeded as follows:—*Catalogue of English Coins*, Vol. II., 4206 tickets (completing the volume); *Medallic Illustrations of British History*, 168 tickets.

Thirty admission tickets of Vauxhall, etc., have been removed from the King's Cabinet, and incorporated in the general collection.

The following series of silver and billon coins, formerly exhibited, have been restored to their places, electrotypes having been made for exhibition:—Scottish coins from Charles I. to Anne, and Irish coins from Sihtric III. to Edward IV.

The following series have been examined, and selections made for the Museum:—The second and third portions of the Montagu Collection; a hoard of gold coins from Bransdal, Yorks; and (in part) a hoard of silver from Crediton, Devon.

528 descriptive labels have been written for the Exhibition of Electrotypes.

4. *Mediæval and Modern Series*:—

8 coins and medals have been registered and incorporated.

526 coins of Russia, from the Freudenthal Collection, have been incorporated in the general series, the expansion of which has been begun.

The rearrangement of the Dutch and Flemish Medals has been completed; and the Swedish Medals have been removed from the King's Cabinet, and rearranged with fresh heading-cards and labels.

A list, with drawings, of monograms and initial letters on Mediæval and Modern German coins has been made as a help to identification.

5. *Oriental Series*:—

1,443 coins from the Cunningham Collection, and 136 from the Bhagvānlāl Collection, have been registered and incorporated.

483 tickets have been written, giving references to the Catalogue of Moghul Coins, and 300 to the Catalogue of Oriental Coins, Additions, Vol. I.

The issues of the Local Indian Mints, the lead coins of the Andhras and Western Kshatrapas, from the Bhagvānlāl Collection, and the coins of the Kshatrapas of Surāstra and Mālava have been rearranged.

6.—*Re-arrangement.*

The remainder of the Greek Series, the whole of the English Colonial and the Oriental Series, and part of the Mediæval Series, have been removed to new or repaired cabinets.

113 cabinets have been polished and repaired.

Brass label-frames have been affixed to the cabinets throughout, and the contents of 144 cabinets have been noted on labels.

III.—*Catalogues, Guides, &c.*

Greek Series:—

Catalogue of Greek coins. *Caria and Islands.* By B. V. Head.

21 Half-sheets of the text, pp. 161—325, and 15 Half-sheets of the Introduction, pp. i.—cxviii, have been sent to press, and Plates XXIV.—XLV. have been autotyped.

A Map of Caria, &c., showing the sites of all the cities of which the British Museum possesses coins, has been prepared by Mr. B. V. Darbishire and lithographed. This completes the 18th volume of the series.

Lycia, Pamphylia, Pisidia, &c. By G. F. Hill.

24 Half-sheets of the text = 192 pages, have been sent to press, and Plates I.—XXXI. have been autotyped.

IV.—*Acquisitions.*

The total number of Coins and Medals added to the Department during the year 1896 is 1,492, of which 300 are of gold or electrum, 881 of silver, 300 of bronze, and 11 of other metals.

Of these, 387 have been presented or bequeathed, viz.: 3 of gold, 106 of silver, 271 of bronze, and 7 of other metals.

The donations are chiefly due to the generosity of the following persons:—Dr. W. G. K. Barnes, R.N., Robert Brown, Esq., Sir Edward H. Bunbury (bequest), Sir Henry Bunbury, Bart., A. Leicester Byrne, Esq., W. Deed, Esq., C.E., E. Grant Duff, Esq., the Rt. Hon. Sir H. Elliot, G.C.B., Sir J. Erichsen (bequest), Sir John Evans, K.C.B., the late Sir A. Wollaston Franks, K.C.B., H. Garside, Esq., H. A. Grueber, Esq., B. V. Head, Esq., R. Hewitt, Esq., G. F. Hill, Esq., Lieut.-Col. A. W. Jamieson, Mrs. Lawrence Johnstone, L. A. Lawrence,

Lawrence, Esq., Mrs. Matthews and Mrs. Sutherland Orr, Miss E. A. Ormerod and Miss G. Ormerod, W. R. Paton, Esq., C. R. Peers, Esq., Mr. J. Pinches, S. B. Rosevear, Esq., Cecil H. Smith, Esq., H. Weber, Esq., M.D., Mr. F. Whelan, Lt.-Col. L. W. Wilmer, and Warwick Wroth, Esq.

Owing to the dispersion, at several public auctions during the year, of two of the most extensive collections of rare Greek, Roman gold, and English coins, ever formed by private individuals, viz., the collections of the late Mr, Hyman Montagu, and of the late Sir Edward H. Bunbury, Bart., the most valuable additions of any one year of the present century have been made to the Department, although numerically they are not in excess of the average.

The following Table shows the number of the new acquisitions in the various metals, classified according to the several series to which they belong:—

CLASS.	Gold.	Electrum.	Silver.	Bronze.	Mixed Metals.	TOTAL.
Greek	50	4	428	170	–	652
Roman	133	–	9	14	4	160
British, Colonial, &c.	112	–	380	19	5	516
Mediæval and Modern	–	–	10	97	2	109
Oriental	1	–	54	–	–	55
TOTAL	296	4	881	300	11	1,492

REMARKABLE COINS AND MEDALS.

1. *Greek Series*:—

(*a*) Europe.

Britain. — A gold stater of Eppillus, a British Chief, who ruled in Kent, son of Commius, and brother of Tincommius and Verica. The only other specimen of this coin is in the collection of Sir John Evans.

Britain.—A gold stater of Epaticcus, son of Tasciovanus and brother of Cunobelinus (Cymbeline), King of the Central Districts of Britain.

Britain. — Various other rare coins of Tasciovanus, Cunobelinus, and of the Iceni.

Central Italy.—An extremely rare Quincussis, B.C. 350–300, of oblong form and weighing 27,627 grs. (formerly in the Pembroke Collection). The type of this ponderous coin is a

Bull in high relief on both sides. Only two other specimens are known, one at Paris and one at Berlin, the latter recently found at Bruna, near Spoleto. *Bequeathed by the late Sir Edward H. Bunbury, Bart.*

Rhegium.—A tetradrachm, B.C. 466–415, in beautiful condition, formerly in the Northwick Cabinet. Beneath the throne of the seated figure (Dionysos?) on the *reverse* is a rose-bud and an artist's signature (**K.E.** retrograde), perhaps standing for K[ρατήσιππος] 'E[ποίει]. Kratesippos was an engraver whose name occurs at full length on a somewhat later coin of Rhegium.

Terina.—A silver nummus of the period of early fine art, B.C. 440–400. On the *reverse* is an exquisite winged figure holding a wreath and a caduceus, and seated on an overturned amphora.

Agrigentum in Sicily.—Two very rare silver coins, B.C. 472–415, bearing marks of value standing respectively for Pentalitron and Pentonkion.

Eryx in Sicily. — A specimen of the excessively rare tetradrachm from the Duca Tagliaria Find. *Obverse,* hound in front of a stalk of corn with three ears, *inscription,* **IPVKAΞIIB** (retrograde). *Reverse,* Aphrodite seated, holding dove; before her is a youthful Eros with uplifted arms. The inscription has been recently interpreted Irukazije='Ερυκαζίη or 'Ερυκαίη, a feminine adjective formed from the name of the town. (Kinch, *Die Sprache der Sicilischen Elymer.* See *Zeitschrift für Numismatik.* Band xvi., p. 187.)

Messana in Sicily.—A didrachm of archaic style, a denomination new to the Museum and apparently unpublished.

Naxus in Sicily.—A drachm of early transitional style, B.C. 461–415, of great rarity and in fine condition. *From the Northwick Cabinet.*

Syracuse in Sicily.—A variety, new to the Museum, of Kimon's masterpiece, the tetradrachm, with the head of the nymph Arethusa facing, with dolphins swimming among the flowing locks of her hair. This coin was struck in B.C. 409 (see *Num. Chron.* 1891, p. 274). The artist's signature is partly legible on the exergual line beneath the chariot on the reverse.

Syracuse in Sicily.—A beautiful medallion (dekadrachm) by Euainetos, but unsigned, with mint-marks under chin and scallop behind head.

Panticapæum in the Tauric Chersonese.—A very large gold stater of the usual types. *Obverse,* head of a satyr. *Reverse,* lion-headed gryphon. The late style of this coin proves

proves that the old types remained unchanged at Panticapæum for a considerable time.

Byzantium in Thrace.—A splendid specimen of the very rare tetradrachm; *Obverse*, Head of veiled Demeter; *reverse*, Poseidon seated. Magistrate's name, **ΕΠΙ ΟΛΥΜΠΙΟΔΩΡΟΥ**. As Olympiodorus was one of the "*Prostatæ*" of Byzantium in B.C. 221 (Polyb. iv. 50) the date of the issue of this coin can be fixed to a year. *From the Thomas and Northwick Cabinets.*

Odessus in Thrace.—An extremely interesting tetradrachm of the highest rarity, dating from about B.C. 200. *Obverse*, Bearded head with flowing locks of hair, bound with a taenia, round which a fillet is twisted; *reverse*, Bearded figure draped holding phiale and cornucopiæ. *Inscr.* **ΘΕΟΥ ΜΕΓΑΛΟΥ ΟΔΗ**, and in the exergue a magistrate's name, **ΚΥΡΣΑ**.

Lysimachus.—Seven varieties of the Lysimachian gold stater, struck at different mints. The first of these, *from the Thomas Collection*, is a specimen of rare beauty. Another, *from the Northwick Cabinet*, was struck at Ephesus between B.C. 295 and 281, while Lysimachus was master of that city.

Amphipolis in Macedon.—A tetradrachm, circ. B.C. 400, having on the *obverse* a fine head of Apollo, three-quarter face towards right. *From the Bowen Collection.*

Chalcidice in Macedon.—Federal Coinage, B.C. 392–379. A tetradrachm, with a head of Apollo of unusual beauty on the *obverse*, and with a Lyre on the *reverse*.

Alexander the Great.—Ten new varieties of the gold stater and fifty of the tetradrachm, several of which are unique and many of great rarity.

Demetrius Poliorcetes, B.C. 306–283.—A very rare gold stater of the Alexandrine type, with the monogram of his father Antigonus in the *field*.

Pheræ in Thessaly.—Alexander the Tyrant, B.C. 369–357 (?). A drachm. *Obverse*, Head of Hellas in myrtle wreath; *reverse*, **ΑΛΕΞΑΝΔΡΕΙΑ** [δραχμή], Lion's head. On the *obverse* is a magistrate's name, **ΕΝΝΟΙΟΣ**. *From the Photiades Collection.*

Epirus.—A silver stater of Alexander, son of Neoptolemus, B.C. 342–336, a coin of excessive rarity.

Thyrrheium in Acarnania.—A silver stater of the Federal type, struck after B.C. 167, with the magistrate's name, **ΞΕΝΟΜΕΝΗΣ**, probably an ancestor of the Xenomenes of Thyrrheium who entertained Cicero when he passed through the town, B.C. 51–50.

0.125. *Ætolia.*—

Ætolia.—A silver coin of the League, B.C. 279–168, in fine condition and very rare. *Obverse,* Head of Ætolos; *reverse,* Ætolos standing with foot on rock.

Carystus in Eubœa (?).—An archaic stater of Æginetic weight of the 8th (?) century B.C. *Obverse,* Cock; *reverse,* Incuse square divided into triangular compartments. This very rare, if not unique, coin is probably the specimen from the Santorin Find. (*See Num. Chron.*, Ser. III., Vol. IV., p. 276.)

Athens.—Two very remarkable archaic tetradrachms from the Bunbury Collection. *Presented by Hermann Weber, Esq.*, M.D.

Athens.—Sixty-five tetradrachms of the later style. All new varieties.

Athens.—A gold stater of extreme rarity, struck at Athens in B.C. 87–86 by Aristion, one of the partisans of Mithradates the Great, who, in addition to his own name, placed also upon the coin the complimentary inscription, **ΒΑΣΙΛΕ ΜΙΘΡΑΔΑΤΗΣ** and the symbol or signet of the king, a sun between two crescents.

This specimen came from the Photiades Collection, and only two others are known, one in the Paris (De Luynes) Collection, and the other in the Royal Museum, Berlin.

Lacedæmon. Nabis, tyrant, B.C. 206–192.—A tetradrachm. *Obverse,* A life-like portrait of Nabis, laureate, to the right; *reverse,* **ΒΑΙΛΕΟΣ** (*sic*) **ΝΑΒΙΟΣ**. Herakles, naked, seated on rock covered with lion's skin, his right hand resting on club. This remarkable coin is unique and of great historical interest; first, on account of the portrait, the only one extant, of the famous tyrant; and next, on account of the reverse inscription, from which we learn a fact mentioned by no historian, viz., that Nabis assumed the title of king. The form **ΝΑΒΙΟΣ** is also new, as all the writers give the genitive as Νάβιδος. This is not an engraver's blunder (like **ΒΑΙΛΕΟΣ** for **ΒΑΣΙΛΕΟΣ**), for it occurs also on the only other known coin of Nabis, a specimen far less interesting than the present one, as it lacks the portrait and the title of "king." (*See* Lambros' *Peloponnesus,* p. 89.)

Pheneus in Arcadia.—An extremely rare silver stater (circ. B.C. 362). The type of the *reverse* refers to the myth of the rescue of the infant Arkas by Hermes, who carried him to the nymph Maia on Mount Kyllene to be reared. (Apollod. III., 8, 2.)

Crete.—Twenty-four rare staters and drachms of various cities in this island.

Phœstus in Crete.—B.C. 400–300. A silver stater. *Obverse,* Herakles contending with Hydra, the group being represented

e nted as seen from the front, and not, as on other Museum specimens, from the back.

(*b.*) Asia.

Bithynia.—Nicomedes II., B.C. 149–95. A tetradrachm, in fine condition, dated A. S. ΓΟΡ (= 173 = B.C. 140). *Presented by Sir Henry Bunbury, Bart.*

Parium in Mysia.—A tetradrachm circ. B.C. 150, of which only one other variety is known, now in the collection of Corpus Christi Coll., Cambridge. *Obverse,* Head of veiled Demeter; *reverse,* Apollo Ἀκταῖος standing between flaming altar and omphalos. The magistrate's name is ΑΝΔΡΩΝΙΚ[ΟΣ].

Ephesus in Ionia.—A gold stater, the second which the Museum has been able to acquire of the six which are known. These coins were struck during the revolt of Asia against Roman rule between B.C. 87 and 84.

Miletus in Ionia.—A tetradrachm of Attic weight struck shortly after the liberation of many cities of Asia after the defeat of Antiochus in B C. 190. Only one other specimen of this coin is known (*Hist. Num.*, p. 505), and the two examples bear different signatures.

Alabanda in Caria.—A very fine example of the silver coinage of Alabanda, struck before Antiochus had changed the name of Alabanda to Antiochia.

Cnidus in Caria.—An excessively rare tetradrachm of the end of the 4th century B.C , bearing a head of Aphrodite Euploia on the *obverse,* accompanied by her symbol, the prow of a galley. *Reverse,* Forepart of Lion and magistrate's name, ΚΑΛΛΙΦΡΩΝ.

Cnidus in Caria.—A tetradrachm of the highest rarity struck after B.C. 300; *obverse,* a head of Aphrodite, differing in every detail from the preceding, and accompanied by a helmet as an adjunct symbol and signed, [ΘΕ]ΥΜΕΛΩΝ.

Cos.—A remarkably fine specimen of the very scarce series of tetradrachms, of which only eight varieties are known, struck between B.C. 300 and 190; *obverse,* Head of youthful Herakles of fine style; *reverse,* Crab and magistrate's names ΓΝΩΣΙΔΙΚΟΣ.

Rhodes.—A gold stater of the Lysimachian regal type. Legend on *reverse,* ΛΥΣΙΜΑΧΟΥ and Rhodian magistrate's name, ΑΡΙΣΤΟΒΟΥΛΟΣ. Symbols, Rose of Rhodes and Trident of Byzantium. This highly interesting gold coin, of which only one other example has come to light (that in the De Luynes Collection at Paris), is copied from the gold staters of Byzantium of the 3rd century B.C , which are themselves copies of the coins of King Lysimachus. The Rhodian

stater was probably struck between B.C. 190 and 166, and it serves to show how active was the commercial intercourse between Rhodes and Byzantium. It is recorded that Rhodes always made a point of asserting the right of free access for her trading vessels to the ports of the Euxine Sea without payment of dues to the city of Byzantium on passing through the Bosphorus.

Rhodes.—A half-stater in gold, B.C. 189–166. *Obverse,* Head of Helios facing; *reverse,* **P—O** Rose in incuse square, signed **ΑΝΤΑΙΟΣ.** No other specimen of this denomination has been published.

Phaselis in Lycia.—An archaic silver stater struck in the 6th century B.C. *Obverse,* Prow of galley fashioned like the forepart of a boar. *Presented by Sir Henry Bunbury, Bart.*

Side in Pamphylia.—A silver stater of the 4th century B.C. *Obverse,* Athena standing; *reverse,* Nude figure sacrificing. *Legends* in characters resembling the Aramaic. Side was originally a Greek city, but the native element in the population little by little overwhelmed the Hellenic, and the Pamphylian language and alphabet had supplanted the Greek before the time of Alexander the Great.

Syria.—Antiochus III., the Great, B.C. 222-187. An interesting tetradrachm figured in *Num. Chron.* 1883, Pl. v. 8. *Presented by Sir Henry Bunbury, Bart.*

Syria.—Alexander II., Zebina, B.C. 128–123. A unique gold stater of very fine work. *Obverse,* Portrait of the king; *reverse,* **ΒΑΣΙΛΕΩΣ ΑΛΕΞΑΝΔΡΟΥ ΘΕΟΥ ΕΠΙΦΑΝΟΥΣ ΝΙΚΗΦΟΡΟΥ,** Zeus enthroned to left, holding Nike and resting on lotus-headed sceptre. This splendid gold piece is of great value, both historical and numismatic, for it represents the statue of Zeus in the temple of Antioch, holding the golden Victory which Alexander Zebina, when hard pressed for funds, melted down to coin into money for the payment of his army, "Jovis solidum ex auro signum Victoriae tolli jubet" (Justin, xxxix. 2, 2).

Syria.—Seleucus II., Kallinikos, B.C. 246–226. A gold stater of very great rarity with a portrait of the king on the obverse.

Egypt.—Ptolemy I., Soter, B.C. 323–284. A very beautiful gold pentadrachm, weighing 275 grains, with a fine portrait of the king. *Presented by Sir Henry Bunbury, Bart.*

Cyrene.—A very fine gold stater struck between B.C. 431 and 321, with a representation of a quadriga driven by Nike and seen from the front, an extremely rare type. On the reverse is Zeus Ammon enthroned, and a magistrate's name in the genitive case, **ΙΑΣΟΝΟΣ.**

2. *Roman Series:*

At the sale of the Montagu Collection of Roman gold coins, held in Paris in April, the British Museum acquired 133 specimens. Some of these are unique, and nearly all of them are of types not previously represented in the Museum. The following deserve special mention :—

Cornelia gens.—Aureus. *Obverse,* Head of Jupiter ; *reverse,* CN. LENTVL. Eagle. A unique coin, *formerly in the Borghesi Cabinet.*

M. Antony.—Aureus of the Sixth Legion struck during Antony's residence at Alexandria. A very rare coin *from the collection of Prince Hercolani.*

M. Antony and his son M. Antony, junior.—An aureus of the highest rarity.

Octavius Cæsar III. VIR. ; B.C. 44–29.—Aureus. *Obverse,* Head of Octavius ; *reverse,* Two hands joined, and Moneyer's name, C. VEIBIVS VAARVS.

Interregnum, A.D. 68.—Aureus struck in Spain. *Obverse,* MARS VLTOR, Head of Mars ; *reverse,* SIGNA P. R., Roman Eagle between two Military Standards, and an Altar. *From the d'Amécourt Cabinet.*

Titus Cæsar.—A.D. 71–79. Aureus with *reverse* type, Concordia seated. Extremely rare and interesting numismatically as having been struck at Ephesus. *From the d'Amécourt Cabinet.*

Sept. Severus and Caracalla.—Aureus with heads of the Emperor and his son on the *obverse,* and on the *reverse* a Victory ; commemorating the Parthian Campaign.

Geta, Cæsar.—Aureus, A.D. 205–208, with *reverse* type, Sept. Severus and his two sons, Caracalla and Geta, on horseback.

Uranius Antoninus, A.D. 222 ?—An aureus with the *reverse* type SAECVLARES AVGG, and a cippus inscribed COS I. A unique and unpublished coin of an Emperor not mentioned under this name by any historian.

Uranius Antoninus.—Another aureus, also unpublished. *Reverse,* VICTORIA AVG. The acquisition of these two specimens completes the series of the known coins of this Emperor. No other Museum possesses them all.

Diocletian and Maximian I.—Aureus with portraits of the two Emperors.

Constantine the Great.—A gold medallion struck at Ostia with the Emperor as 'Princeps Juventutis' on the reverse. *From the d'Amécourt Cabinet.*

0.125. *Constantine*

Constantine the Great.—A gold medallion. *Reverse.* Two Victories supporting a shield inscribed VOT X, above which is a cippus numbered MVL XX.

Fausta, Wife of Constantine the Great.—A gold medallion with the portrait of the Empress on the *obv.*, and, on the *rev.* the Empress seated nursing the infant Constantine II. A nimbus which encircles her head is supported by two female figures, while below are two genii, each holding a wreath. Inscr. PIETAS AVGVSTAE. A medallion of the highest interest, and in beautiful condition. *From the d'Amécourt Cabinet.*

Crispus Cæsar, A.D. 317–326. A gold medallion. *Obverse.* Portrait of Crispus. *Reverse.* FELIX PROGENIES CONSTANTINI AVG. The Empress Fausta standing facing between Crispus, her stepson, and her own son, Constantine, junior, who join hands while she places one of her hands on the shoulder of each of them.

Constantine II., Cæsar, A.D. 317–337.—A gold medallion commemorating his victories in Sarmatia. Type, Constantine II., with globe and sceptre, placing his foot upon subject and suppliant Sarmatia.

Constans, Augustus, A.D. 337–350. – A gold medallion, struck to commemorate his victories in Gaul and Britain. On the reverse is the Emperor, holding a trophy and a shield, standing between Gallia and Britannia, represented as two prostrate captives.

3. *English Series*:—

At the three sales of the Montagu collection of English coins, the Museum acquired 104 specimens in gold, and 356 in silver, many being great rarities. The following may be specially mentioned:—

Four Gold Sceats, the earliest coins of the Anglo-Saxons, corresponding in type and fabric with the Merovingian "*trientes.*"

Peada, King of Mercia, A.D., 655–657.—A pale gold sceat with the King's name in Anglo-Saxon Runic characters.

Offa, King of Mercia, A.D., 757–796. — Eighteen silver pennies, four of which bear the head of the King.

Cynethryth, Widow of Offa, A.D. 796.—A silver penny.

Baldred, King of Kent, A.D., 807–825.– A penny of a very rare type, found in Ireland.

Jaenberht, Archbishop of Canterbury, A.D., 766–790.—A penny with his name on the obverse, and that of Offa on the reverse. It was during Jaenberht's episcopate that Kent was

was conquered by Offa, and it was by his authority that this archbishop was allowed to issue coins.

Aethilheard, Wulfred, and Plegmund, Archbishops of Canterbury, A.D. 793–914.—Nine pennies.

Beonna, King of East Anglia, Circ. A.D. 760.—A silver Sceat with inscr. partly in Runic characters.

Halfdan, King of Northumbria, A.D. 875–877.—A unique coin of the highest historical importance as it was struck in London in A.D. 872, when Halfdan held the city for a short time before his assumption of regal power in Northumbria. The monogram of the name of London on the reverse was afterwards copied on the coins of Alfred the Great.

Ecgbeorht, King of Wessex, A.D. 802–839.—A unique penny figured in *B. M. Cat.* Vol. II., p. 4.

Alfred the Great, King of Wessex, A.D. 871–901.—A unique penny struck at London (*B. M. Cat. II.*, p. 35) and another, also unique (*ibid.* p. 34), of the same type as the coin of Halfdan above described.

Aethelstan, King of Wessex, A.D. 925–940.—A unique penny struck at Darenth in Kent, and another struck at York with a view of the tower of the Minster.

Eadmund, King of Wessex, A.D. 940–946.—A unique penny of the Exeter Mint.

Eadwig, King of Wessex, A.D. 955–959.—Two unique pennies, struck at Exeter and Hereford.

Eadgar, King of England, A.D. 959–975.—Three unique pennies of the Dover, Newport (Shropshire?) and York Mints.

Eadweard II. (*the Martyr*), A.D. 975–979.—A unique penny of the Canterbury Mint (*B.M. Cat.* II., p. 192).

Aethelraed II., A.D. 979–1016.—Twenty-eight pennies of new types and various mints.

Cnut, A.D. 1016–1035; *Harold I.*, A.D. 1035–1040; *Harthacnut,* A.D. 1040–1042; and *Eadweard the Confessor,* A.D. 1042–1066, and *Harold II.*, 1066.—A large series of coins bearing names of Mints and Types new to the Museum.

Harold II., A.D. 1066.—A penny struck at Chelsea, the only coin known of this mint.

William the Conqueror and William Rufus.—Many new varieties of silver pennies.

Henry II.—A unique penny of Chichester.

Stephen.—One of the two known pennies of the mint of Castle Rising.

Matilda, daughter of Henry I., wife of the Emperor Henry V., and mother of Henry II. A penny struck at Oxford, during the Civil War, on which Matilda is styled "Imperatrix."

Edward III.—Six rare varieties of the Noble, including one struck at Calais, and a unique Half Noble of the 3rd coinage.

Henry IV.—An extremely rare Noble of the heavy coinage, with a flag at the stern of the ship on the *reverse.* Also a Noble of the light coinage struck after the 13th year of his reign.

Henry V.—A unique Noble of the first issue.

Henry VI.—Two rare Nobles of the "Pine-cone—Rosette" and "Pine-cone—Mascle" issues. Also a very rare Groat of the light coinage, struck at York.

Edward IV.—Rose Nobles of Coventry and York, and a Half-Rose Noble of the latter mint.

Richard III.—A unique Angel struck by Richard III., but bearing the name of his nephew, Edward V. A full description of this remarkable coin is published in the *Numismatic Chronicle,* Ser. III., vol. xv. p. 117.

Henry VII.—A groat of the London mint with mint-mark, Rose and Sun, the badge of Edward V. and Richard III. Also a London Half-groat of the 3rd coinage with m. m. Lis.

Edward VI.—A groat of his 1st coinage with m. m. Arrow on both sides.

Elizabeth.—A "*Fine*" Sovereign of the 2nd issue, A.D. 1584—1601, the *obverse* side of which is from a die belonging to the 1st issue.

From the Henderson collection.

Elizabeth.—A gold Ryal with mint-marks, Trefoil and Crescent. Extremely fine and of great rarity. Also two patterns, believed to be unique, for a milled Half-Crown and a milled Shilling respectively, together with many other rare coins of the same reign.

James I.—A very rare variety of the Angel.

Charles I.—A unique pattern gold Five-Broad (*i.e.* 5 Unite) Piece, generally known as the "*Juxon Medal.*" It has on the *obverse*

obverse a bust of King Charles in armour wearing a falling lace collar and scarf across the chest, and on the *reverse* the royal arms with the legend FLORENT CONCORDIA REGNA. The dies were sunk by Thomas Rawlins, chief engraver to the royal mint during the latter part of Charles's reign, and it is the largest of a set of patterns in gold and silver struck shortly before the outbreak of the Civil War. In addition to the great value of this piece as a unique gold pattern it has always been prized by collectors as especially interesting on account of a more or less credible tradition, handed down through many generations, that it was given to Juxon, Bishop of London and Lord High Treasurer (and later Archbishop of Canterbury) by King Charles himself *on the scaffold.* In the middle of the last century this medal was in the possession of a Miss Henrietta Gythens of Gloucester, a descendant of Thos. Juxon, an elder brother of the Bishop. This lady bequeathed the medal by Will to the Rev. James Commeline, Vicar of Haresfield, in the following terms:—"and whereas I am also possessed of a gold medal of King Charles the First, which was given by his said Majesty King Charles the First upon the scaffold to my great great Uncle, Archbishop Juxon, now I hereby give and bequeath the said medal to Mr. James Commeline." From Mr. Commeline it passed to his son of the same name, Rector of Red Marley, who died in 1834. In the following year it was sold by the son of the preceding to Lieut.-Col. John Drummond, and from him it passed successively through the cabinets of Mr. Cuff, Mr. Thos. Brown, Mr. Edw. Wigan, Mr. S. Addington, into that of the late Mr. H. Montagu. Owing to the liberality of a private individual this unique pattern has been acquired for a sum considerably less than that for which it was sold by auction in November 1896, and it is now exhibited in the Gold Ornament Room.

Charles I.—A unique pattern for a gold Broad piece, by the engraver Rawlins; a proof gold Unite, m. m. Harp, *from the Brice collection;* a pattern Broad piece by Briot, date 1630; also a pattern Shilling by the same engraver with a bust of the King in armour and bare-headed.

Charles I.—A gold Unite (1645) of the Bristol mint.
From the Edmonds, Shepherd and Brice collections.

Charles I.—A unique gold Half Unite (1644), struck at Oxford with the "*Declaration.*"

Charles I.—Two silver pound pieces of 1643, struck at Oxford and Shrewsbury, and two Half-pound pieces of 1642, also from the Shrewsbury Mint.

Charles II.—An unpublished variety of the Five-Guinea piece of 1669.

Charles II.—The "*Reddite*" Crown in pewter by Thomas Simon.

William and Mary.—A unique Five-Guinea piece of 1694.

V.—*Students and Visitors.*

The number of students and visitors to the Department of Coins and Medals during the year was 2,675.

Barclay V. Head.

X.—British Museum (Natural History).

STATEMENT of Progress made in the Arrangement and Description of the Collections, and Account of Objects added to them, in the Year 1896.

General.

Visitors.

The number of visitors to the Natural History Museum during 1896 was 417,033 on week-days and 36,923 on Sundays, making a total of 453,956, as compared with 446,737 (on week-days only) in the year 1895. The average attendance for all open days, including Sundays, during the year was 1,316; that for week-days only, 1,336, as compared with 1,436 in 1895.

The Trustees were glad to meet the wishes of Parliament as to opening the Museum on Sunday afternoons, in accordance with the resolution agreed to in the House of Commons on March 10th, and arrangements were made to this effect for the first time on Sunday, May 17th, when 2,398 visitors attended. Since this date the Museum has been open regularly on Sundays from 2 or 2.30 to 4, 5, 6, or 7 p.m., according to the season of the year, and the average attendance up to the end of the past year was 1,119. In order to relieve the Commissionaires, the Trustees decided to make use of the services of Police Constables for warding the galleries on Sundays; and it should be noted that the attendance of all persons employed in the Museum on Sunday afternoons is entirely voluntary, and quite distinct from the duties of the staff employed on week-days.

Swiney Lectures.

As in the preceding three years, the annual Lectures on Geology on the Swiney Foundation have been delivered, by consent of the Lords of the Committee of Council on Education, in the Lecture Theatre at the South Kensington Museum. The lecturer, Dr. R. H. Traquair, chose as the subject of this, the first, of the three courses to be delivered by him, "The Geological History of Vertebrate Animals." The lectures, 12 in number, were delivered during the month of October, and were attended by 1,952 persons, or an average of 163 persons per lecture.

Amazon Expedition.

The collections brought home from Brazil by Mr. E. E. Austen and Mr. F. O. Pickard Cambridge (to whom Messrs. Siemens, Bros., & Co. gave an invitation to join their cable-laying expedition up the River Amazon, on the understanding that all specimens collected by them should become the property of the Trustees) proved to be of considerable scientific interest and were valuable additions to the Museum collections.

The Trustees have returned their special thanks to Messrs. Siemens for the friendly interest they have shown in the Museum.

Conway Spitzbergen Expedition.

Special leave of absence was granted to Dr. J. W. Gregory, an Assistant in the Geological Department, to enable him to accompany Sir W. M. Conway on an exploring expedition to the interior of Spitzbergen, on the understanding that all the specimens obtained by Dr. Gregory should become the property of the Trustees.

Dr. Gregory, who was away for four months, made good use of the opportunity afforded him, and brought home important Zoological and Geological collections.

Huxley Memorial.

A proposal by the Committee of the Huxley Memorial Fund to place a statue of the late Professor Huxley in the Museum has been agreed to, subject to the Trustees' approval of the statue. The full-sized model for the statue, which is being executed by Mr. Onslow Ford, R.A., will shortly be completed.

Purchases.

Important collections have been acquired by purchase, among which special mention may be made of the collection of Fossil Plants of the Coal Measures formed by the late Professor W. Crawford Williamson; the fine series of Birds, chiefly Woodpeckers, brought together by the late Mr. Edward Hargitt; the Steere collection of Birds from the Philippine Islands; a fine collection of Fossil Bird-remains from Patagonia, collected by Señor Ameghino; the Power collection of British Coleoptera and Hemiptera; and the collection of Oriental Hymenoptera formed by Colonel C. T. Bingham. The details of these and of numerous other important purchases made during the year will be found in the reports of the Keepers of the several Departments.

Bequests.

Under the will of the late Mr. Henry Seebohm, the zoological department has been enriched by that well-known Ornithologist's magnificent collection of Birds' skins, comprising some 16,950 specimens, and including 235 skeletons.

By the bequest of the late Mr. F. C. S. Roper, the Trustees have become the owners of a valuable cabinet of slides of Diatomaceæ, with the two quarto Catalogues belonging thereto.

Presents.

The total number of separate presents received in the Museum during the year amounted to 1,518, many of them comprising a large number of specimens. The details of all the more important of these will be found in the Reports of the Keepers of the several Departments, but the following are mentioned here also as being of special interest:—

From His Royal Highness the Prince of Wales.—An Indian Elephant, being one of the four brought home by His Royal Highness in 1876. The animal was caught in the Nepal Terai and presented by Sir Jung Bahadoor to the Prince during his visit to India. It was selected as a remarkably handsome animal, and was supposed at that time to be about six years old. On the Prince's return to England it was deposited in the Gardens of the Zoological Society of London (May 17, 1876), where it remained until its death (March 8, 1896), at which time it was full grown. Its height was 9 feet 10 inches

Also a series of small British Mammals from Sandringham.

From Sir Douglas Brooke, Bart.—A valuable series of Deer and Antelopes from the collection of the late Sir Victor Brooke.

From Lady Prestwich.—The entire collection of Fossils brought together by her husband, the late Sir Joseph Prestwich. Many of these are of historic interest, as being the material on which he based his numerous memoirs.

From F. Du Cane Godman and Osbert Salvin, Esqrs.—Further valuable additions to the collections of Insects in the Museum, including 6,192 Malacoderm Coleoptera from Central America; 4,766 Butterflies of the Sub-family *Pierinæ*, representing the whole of the Old World species of this group in the collection of the donors; 1,375 Butterflies, chiefly belonging to the Sub-family *Satyridæ*; and 610 *Sphingidæ* and *Castniidæ* from Central America.

From F. Du Cane Godman, Esq.—The important collection of British Hymenoptera made by Mr. Peter Cameron, containing most of the type-specimens included in his monograph of Phytophagous Hymenoptera, and comprising 2,600 specimens, besides numerous microscopic preparations, larvæ, drawings, &c.

From Mrs. Pengelly.—A series of about 400 Fossils selected from the collection of her husband, the late Mr. William Pengelly.

From Mrs. Crawford Williamson.—Ninety-three microscopic slides illustrative of works on the Recent Foraminifera by her husband, the late Prof. W. Crawford Williamson.

From Mr. George Shrubsole.—The important collection of 460 specimens of Palæozoic Polyzoa which belonged to the donor's father, the late George William Shrubsole.

From Don Miguel Merino, Director of the Astronomical Observatory at Madrid.—One of two small meteoric stones found at Madrid after the explosion of a meteor over that city on the 10th February last year. The stone was much coveted for the Continental Museums, but Dr. Merino was prevailed upon to present it to London on condition that it be not broken up for distribution, and that some meteorite fragments be presented to him, in return, for the Madrid Museum, where the other stone is preserved.

Exchanges.

Exchanges of specimens have been made with the following institutions and individuals:—

Of Zoological Specimens.—With the Australian Museum, Sydney; the Leyden Museum; the Zoological Museum, Bergen; Herr Henkel and Dr. F. Werner, of Vienna; Prof. R. Koehler, of Lyons; Prof. M. Dumergue, of Oran; Mr. H. Fulton; and Mr. W. Beutenmüller.

Of Fossils and Casts of Fossils.—With the Oxford Museum; the American Museum of Natural History, New York; the Kiel Museum; Dr. H. Credner, of Leipzig University; and Mr. R. F. Damon.

Of Minerals.—With Mr. C. F. Pech.

Of Botanical Specimens.—With the Botanical Museum, Berlin; Prof. L. H Bailey, of Ithaca, U.S.A.; Prof. Conway Macmillan, of Minneapolis, U.S.A.; and Prof. Penzig, of Genoa.

Duplicates.

The Whitechapel Museum, the Devon and Exeter Albert Memorial Museum, Exeter, and the University Extension College, Reading, have been placed on the list of institutions to receive grants of duplicate specimens of Natural History.

A number of specimens of silks, laces, bangles, &c., formerly in the collection of the old Indian Museum broken up in 1879, have been transferred to the Imperial Institute and the Hope Professor of Zoology, Oxford.

A small series of duplicate specimens of all classes of Natural History have been presented to the Governor of Gibraltar, to aid him in the formation of a local Museum.

Grants of duplicate Zoological specimens have been made to the Museums of Exeter, Ipswich, and Warrington; of duplicate fossils, to the Museums of Exeter and Warrington; of duplicate minerals, to the University Extension College, Reading; of fragments of meteorites, to the Madrid Museum and to Professor Ramsay (for experimental purposes); and of duplicate botanical specimens, to the Royal Gardens, Kew, the Royal Botanic Garden, Edinburgh, the Herbarium of the Royal College of Science, Dublin, the Birkbeck Literary and Scientific Institution, and University College, Liverpool.

Publications.

The following Catalogues of Natural History have been published during the year :—

Catalogue of the Birds in the British Museum :—Vol. XXIV. Catalogue of the Limicolæ in the collection of the British Museum, by R. Bowdler Sharpe, LL.D., *Pp. xii.*, 794: *woodcuts and* 7 *coloured plates.* 8*vo.* 25*s.*

Vol. XXV. Catalogue of the Gaviæ and Tubinares in the collection of the British Museum. Gaviæ (Terns, Gulls, and Skuas), by Howard Saunders. Tubinares (Petrels and Albatrosses), by Osbert Salvin. *Pp. xv.*, 475: *woodcuts and* 8 *coloured plates.* 8*vo.* 21*s.*

Catalogue of the Snakes in the British Museum (Natural History):—Vol. III., containing the Colubridæ (Opisthoglyphæ and Proteroglyphæ), Amblycephalidæ, and Viperidæ, by G. A. Boulenger, F.R.S. *Pp. xiv.*, 727: 37 *woodcuts and* 25 *plates.* 8*vo.* 26*s.*

Catalogue of Madreporarian Corals in the British Museum (Natural History):—Vol. II. The Genus Turbinaria; the Genus Astræopora, by H. M. Bernard. *Pp. iv.*, 106: 30 *collotype and* 3 *lithographic plates.* 4*to.* 18*s.*

Catalogue of the Fossil Bryozoa in the Department of Geology, British Museum (Natural History). The Jurassic Bryozoa, by J. W. Gregory, D.Sc. *Pp. viii.*, 239: 22 *woodcuts and* 11 *plates.* 8*vo.* 10*s.*

Catalogue of the African Plants collected by Dr. Friedrich Welwitsch in 1853–61. Dicotyledons, Part I., by W. P. Hiern. *Pp. xxvi.*, 336 : *with portrait of Dr. Welwitsch.* 8*vo.*, 7*s.* 6*d.*

Copies of all these works have been distributed among numerous Free Libraries and other Institutions in Great Britain and Ireland. Copies have also been presented to many Indian, Colonial, and Foreign Libraries and Museums, and to various individuals who have either assisted in the preparation of the Catalogues or otherwise benefited the Museum.

New editions have been issued of the "General Guide" (78 pp., 2 plans, 2 views, 8vo., price 3*d.*); the "Guide to the Fossil Mammals and Birds" (pp. xii, 103; 116 woodcuts; 8vo., price 6*d.*); the "Guide to the Fossil Reptiles and Fishes" (pp. xiv., 129; 165 woodcuts; 8vo., price 6*d.*); the "Guide to the Mineral Gallery" (32 pp., 1 plan, 8vo., price 1*d.*); the "Introduction to the Study of Rocks" (118 pp., 1 plan, 8vo., price 6*d.*), and the "Introduction to the Study of Meteorites" (95 pp., 1 plan, 8vo., price 6*d.*).

Selections of the Natural History publications have been presented to several Institutions and individuals.

Arrangements for the exchange of publications have been concluded with several additional Institutions at home and abroad.

The undermentioned Catalogues are in preparation :—

A General Catalogue of the Books in the Departmental and General Libraries of the Natural History Museum.

Catalogue of Birds.—Vol. XXVI. (Divers, Pelicans, Cormorants, and Herons), by R. Bowdler Sharpe and W. Ogilvie Grant.

Catalogue of Stony Corals, Vol. III., by H.M. Bernard.

Catalogue of the Welwitsch collection of Tropical African Plants, Part II., by W. P. Hiern and the members of the staff of the Department of Botany.

Catalogue of British Lichens, Part II., by the Rev. J. Crombie.

Catalogue of Fossil Fishes, Part IV., by A. Smith Woodward.

Catalogue of Fossil Cephalopoda, Part III., by A. H. Foord and G. C. Crick.

Catalogue of the Tertiary Mollusca of Australia and New Zealand, Part I., by G. F. Harris.

Catalogue of Fossil Plants of the Wealden, Part III., by A. C. Seward.

Central Hall.

The progress of the educational cases in the bays of the hall has been steadily continued during the year. One side of the table-case in Bay VII. (east side), which was not previously occupied, has been devoted to an exposition of the characters, structure and classification of the *Porifera* or Sponges, copiously labelled and illustrated by specimens and diagrams. The series of Vegetable Morphology in Bays IX. and X. (east side) has received numerous additional specimens and explanatory labels, as mentioned in the report of the keeper of Botany. To the illustrations of the Anatomy of Fishes in Bay V. (west side) have been added many beautiful specimens, which having been incorporated with the older ones has necessitated a complete re-arrangement of all the contents of the case. The series illustrating the dentition of mammals in Bay I. (west side), one greatly appreciated by students, and which was the first portion of this division of the Museum to be arranged (about ten years ago) has been thoroughly remodelled; additional specimens have been inserted where required, and all the old ones have been cleaned, their tablets re-papered, and the labels revised and re-printed. A portion of the series devoted to Bird anatomy (in Bay III.) has undergone a similar process.

A case has been added to the series of illustrations of general Natural History in the middle of the Hall. Like that of the Ruffs, near which it is placed, it shows the life-history, as regards the seasonal changes of plumage in both sexes, of one species of bird, the common Wild Duck. There are twenty five individual specimens in the case, all mounted with the highest artistic skill, but no less than this number is required to show the remarkable modifications of plumage, often described in ornithological books, but difficult to realise without the assistance of the vivid ocular demonstration afforded by this series accompanied by the explanatory labels.

General Library.

The additions to the General Library during the past year have been:—

By purchase - - -	362 volumes and 3 maps.	
By donation - - -	507 volumes and 16 maps.	
By transfer from other Departments - -	25 volumes.	
Total - -	894 volumes	and 19 maps.

All these works have been catalogued, press-marked, and placed on the shelves.

The extent of this collection on the 31st of December was 25,339 volumes and 3,797 maps.

The accessions to the General and Departmental Libraries have also been catalogued as they came in. Altogether 3,033 title slips have been written, 4,788 revised, and 146 re-written.

The revision of the headings and cross-references on the title-slips, to bring them into uniformity, was completed early in March, and 644 slips were dealt with, making a total, with previous years, of 58,579. Subsequent revisions have been reckoned in the current work.

The number of students and visitors, irrespective of the staff, making use of the Library during the year was 789.

W. H. Flower,
Director.

British Museum (Natural History),
31 March 1897.

Department of Zoology.

I.—*Arrangement and Conservation.*

A very extensive change is now being carried out throughout the exhibited collection of mammals and birds, which involves considerable labour on the part of the Museum staff of carpenters and attendants. The polished sycamore stands, which have been for very many years universally adopted throughout the Zoological Department of the Museum, have not been considered satisfactory. Their light colour and reflecting surfaces obtrude themselves upon the attention of the visitors, and do not harmonise with the general tone of the specimens. After many experiments o different colours and kinds of surface it was finally resolved, upon the recommendation of the late Lord Leighton, P.R.A., to adopt for the majority of the stands (though varied in individual cases) a dull surface of a dark brown, produced by staining the wood. The formal turned perches on which the birds and arboreal mammals were mounted, and which necessitated a perfect uniformity of position, are being replaced by pieces of natural branches, allowing the taxidermist far greater freedom and variety in mounting the specimens.

The usual precautions have been taken for the preservation of the collections. All acquisitions have been registered and entered in the Catalogues and manuscript lists, and finally incorporated with the collection.

Mammalia.—The exhibited part of the collection of Mammalia is now being entirely re-arranged, with the assistance of Mr. R. Lydekker and consequently very considerable changes have been made in the positions of the specimens, the numbers exhibited, and in the methods of mounting and labelling. Large numbers of specimens have been withdrawn as unsuitable for exhibition, and, so far as possible, fresh and better stuffed examples have been obtained to fill up all important gaps in the series.

As by the new method of exhibition in each Order of Mammals, skeletons are shown side by side with the mounted animals, as well as illustrative extinct species, it has been thought better to bring together in one the two series of skeletons and stuffed specimens hitherto separately exhibited in the Osteological and Mammal Galleries respectively. This combined exhibition will occupy the whole of the present Mammal Gallery and about half of the Osteological Gallery, and it is proposed to utilise the further half

of the latter gallery for storage purposes and as a place for the examination of specimens and the accommodation of students, the present arrangements being very inconvenient in these respects. The re-arrangement of the Mammal Gallery is nearly completed, and that of the upper (the old Osteological) Gallery has been commenced. The former contains the specimens of Marsupialia, Edentata, Sirenia, Ungulata, Rodentia and Carnivora ; while the Insectivora, Chiroptera and Primates will be placed in the latter.

For the new exhibition more than fifty Mammals have been mounted, of which the most prominent are: A Thylacine *(Thylacinus cynocephalus)*, Koala *(Phascolarctus cinereus)*, three-striped Phalanger *(Dactylopsila trivirgata)*, Babirusa *(Babirusa alfurus)*, Musk Deer *(Moschus moschiferus)*, Southern Giraffe *(Giraffa capensis)* head, Black Buck *(Antilope cervicapra)*, Reed Buck (*Cervicapra arundinum)*, Anoa *(Bos depressicornis)*, Gayal (*Bos frontalis*), Indian Elephant *(Elephas indicus)*, Parti-coloured Bear *(Æluropus melanoleucus)*, Leopard (*Felis pardus*), and Puma (*Felis concolor*).

In the study series the method of keeping small skulls has been entirely changed, and the plan adopted of putting each skull in a glass tube by itself, instead of with others in a box. Such skulls now come in much larger proportionate numbers than used to be the case, and many hundreds have been cleaned, numbered, labelled, and put away in the collection.

Aves.—Considerable progress has been made during the year with the registration and incorporation of recent accessions. The whole of the Steere collection of Philippine Birds has been incorporated, and much of the Seebohm collection has been registered.

The Seebohm Bequest consists mainly of Palæarctic birds, including as it does the results of the many travels of its late owner in Siberia and various parts of Europe. This additional material has supplied a great want in the Museum series, which was previously very deficient in specimens from the Palæarctic Region. In addition to these much desired supplementa to the collection of Birds, the Seebohm Bequest contains a fine series of Japanese and Chinese species, the latter embracing all the Passerine Birds of the Swinhoe Collection. The larger specimens from the latter, such as Birds of Prey, Cormorants, Herons, Wading Birds, &c., had been given by Mr. Seebohm to the Museum during his lifetime. The series of Pheasants and Thrushes, of which Mr. Seebohm had made a special study, are amongst the finest in the world.

The

The re-organisation and classification of the Exhibition Series of the Class *Aves* has also been commenced, and considerable progress has been made with this work. Commencing on the north side of the Bird Gallery with the *Ratitæ* or Struthious Birds, the arrangement will proceed through the Tinamous, Game Birds, Pigeons, Rails, Plovers, Gulls, Petrels, and Ducks to the large saloon at the western end of the Gallery, where the Pelicans and Cormorants, and some of the Birds of Prey will be exhibited. On the south side of the Gallery will be arranged the remainder of the Birds of Prey, the Owls, Parrots and other Picarian Birds, as well as the Passeriformes or Perching Birds, with which the arrangement will conclude on the left of the main entrance to the Gallery. A student, therefore, wishing to examine the higher forms of Bird-life, can commence on the left or south side of the Gallery and pursue his studies in regular sequence until he arrives at the Flightless Birds, or he may commence with the latter on entering the Gallery, and end with the highest forms of *Passeriformes*.

Reptilia, Batrachia and Pisces.—All accessions have been registered, named and incorporated in the collection. The spirit has been renewed, or the bottles replenished when necessary, and the series of prepared skeletons of Reptiles and Fishes has been notably increased. A Schlegel's Gavial (*Tomistoma schlegelii*), a large Sun-fish (*Orthagoriscus mola*), and a fine specimen of the Maigre (*Sciæna aquila*) have been stuffed for exhibition in the British Gallery.

The revision of the whole Reptile collection has been brought to a close, and the concluding volume of the Catalogue of Snakes was published early in the year.

Mollusca.—In order to obtain sufficient space for wall-cases, and in view of a re-arrangement of the collection, an entirely different disposition of the table-cases in the Shell Gallery has been effected, and the whole of the exhibited collection has been primarily re-arranged in accordance with more modern views of classification.

A commencement has been made of placing in glass-topped boxes all the fragile shells in the study collection, and most of the species of *Limnæa* and *Physa* have been re-mounted. Nearly all the acquisitions of Mollusca have been placed in glass-topped boxes or mounted upon tablets, and a selection of the more important specimens has been put on exhibition in the table-cases.

Several interesting collections of land and freshwater shells from the islands of Celebes, Selayar, Jampea, Kalao, New Guinea and Kolguev have been worked out and reported on.

Arachnida and Myriopoda.—The South African Scorpions of the genus *Opisthophthalmus* have been identified and catalogued, and the species of *Ischnurinæ* and of the genera *Uroplectea, Babycurus* and their allies have been re-examined in the light of recent accessions. The spiders of the genera *Lycosa* and *Nephila* have been sorted, examined, and determined, and considerable progress has been made with the preparation of a manuscript catalogue of the *Heteropodidæ*. The spiders of the family *Ctenidæ* belonging to the Museum collection have been determined by Mr. F. O. P. Cambridge, who has also written a report upon the Amazonian *Theraphosidæ*.

During the last three months of the year Mr. Cambridge has been employed in re-bottling and re-labelling the Keyserling collection of spiders, and has made considerable progress with the work.

The Arachnida and Myriopoda obtained in Somaliland by Dr. J. W. Gregory, Mr. E. Lort Phillips and Dr. Donaldson Smith have been determined and reported upon.

The species of Centipedes of the genus *Alipes* have been determined and catalogued.

Insecta.—The large room in the Western Corridor in the basement, which was formerly occupied by duplicate Mammalia, has been cleared out, cleansed, painted, whitewashed, and fitted up for the extension of the study collection of Insects. To this room the collections of *Orthoptera, Neuroptera, Hymenoptera, Diptera,* and *Rhynchota* have been removed, the old Insect Room being now restricted to the large Orders *Coleoptera* and *Lepidoptera,* which previously had greatly needed extension. The assistants in charge of the Orders which have been transferred have necessarily accompanied them to the new room, and thus space which has hitherto been greatly needed for the accommodation of visitors to the Insect collection has been gained.

The cabinets remaining in the large Insect Room have been re-arranged in proper sequence.

In the Insect Gallery an alteration in the position of the table cases has been made, which will facilitate the arrangement of their contents in a better order. This change has at the same time made the Gallery more convenient for visitors moving about, and will enable some wall-space hitherto unavailable to be utilised. Four new wall-cases have been fitted up. To one of these the nests and other specimens illustrating the habits of white ants have been transferred. The others are in course of arrangement.

The series of Economic groups, which has proved very attractive, has been increased by the addition of the following

ing:—Oak with leaves rolled by a weevil, *Attelabus curculionoides*; Beech with hairy galls formed by a fly, *Hormomyia piligera*; Currant and Gooseberry showing habits of Harlequin Moth, *Abraxas grossulariata*; Oak with cherry-like galls of *Dryophanta folii*; Oak with club-galls of *Andricus inflator*; Oak with artichoke galls of *Aphilothrix gemmæ*; Oak with galls of *Trigonaspis megaptera*; Wild-rose with Bedeguar galls of *Rhodites rosæ*; Wild-rose with galls of *Rhodites nervosus*; Maple with galls of a mite, *Phytoptus macrorhynchus*; Elm with galls of a mite, *Phytoptus ulmi*.

A new system of indicating the contents of the Insect cabinets in the study collection has been applied to the Coleoptera. This greatly facilitates reference to the collection and saves much time and trouble.

The collection of British Coleoptera formed by the late Dr. J. A. Power, which was purchased during the year, is in course of re-arrangement. The Carabidæ and a portion of the Hydradephaga, 3,387 specimens, have been re-mounted, labelled with their localities, and arranged in a new cabinet. This work has given great satisfaction to students.

The Heteromerous Coleoptera, which greatly needed arrangement, have been mapped out in interchangeable drawers, and the specimens have been gathered together under their respective genera in regular sequence. The specimens of *Heteromera* in the Pascoe Collection have been incorporated, as well as portions of the Bates Collection, and other accessions to this group.

The *Elateridæ* contained in the Pascoe Collection have been added to the General Collection, and the unclassified portions of this large collection have been sorted, and in part incorporated.

The re-arrangement of the *Eumolpidæ* and the incorporation of beetles of this family contained in the Baly, Godman and Salvin, and other collections, have been continued.

The Longicornia of the groups *Batocerides*, *Mesosides*, *Prosopocerides*, and *Sternotomides* have been transferred to a new cabinet and re-arranged, and the specimens contained in the Pascoe Collection and in other recent accessions have at the same time been incorporated.

A further small collection of Coleoptera sent from Costa Rica by M. Pittier di Fabrega has been named and incorporated.

The collections of Coleoptera made by Colonel Yerbury at Aden, and by Mr. E. Lort Phillips in Somaliland, have been worked out, described, and incorporated.

Numerous other small collections of Coleoptera recently acquired have been incorporated.

A working catalogue of the Butterflies of the sub-family *Pierinæ* has been completed, numerous species being simultaneously identified. A preliminary arrangement of the large and difficult genus *Teracolus* has been made, and new species of *Daptonura, Mylothris, Catasticta, Pieris*, &c., have been described.

The arrangement of the genus *Ornithoptera* has been completed.

Many genera of the *Satyrinæ* have been re-arranged, and the accessions incorporated. To this group the Godman and Salvin Collection added nearly 1,400 specimens, and accessions from the Moore and Watson Collections have further extended the series.

Amongst the other groups of Butterflies re-arranged may be cited *Lethe, Melanitis, Satyrus*, and *Œneis*.

Additional accessions have necessitated the expansion of many genera of the *Nymphalinæ, Lemoniidæ*, and *Lycænidæ*.

The arrangement of the following groups of *Heterocera* has been accomplished :—the *Scoparianæ, Pyraustinæ, Phycitinæ, Sect. II.*, and *Anerastianæ*, while that of the *Galleriane* is almost completed. Of the two first, classifications have been prepared for publication, while the unfinished volume of M. Ragonot's Monograph of the three last groups has been edited.

The families *Orneodidæ, Pterophoridæ* and half of the *Sphingidæ* have been arranged, their representatives in the Godman and Salvin and Moore Collections being incorporated at the same time.

The duplicates and unincorporated accessions have been sorted into families.

The system of classification of the sub-families of *Pyralidæ,—Epipaschianæ, Endotrichinæ*, and *Pyralinæ*, has been published.

The collections of Moths made at Aden by Colonel Yerbury and Captain Nurse have been worked out and described, and many small collections from India, Ceylon, the Malayan Region, etc., have been similarly dealt with.

Three large collections of Lepidoptera from Nyasaland have been worked out, reported on, labelled and incorporated.

The collections of *Forficulidæ* and *Phasmidæ* have been revised, and most of the new species described, and the collection of *Blattidæ* is now under re-arrangement.

The working catalogue of *Forficulidæ, Blattidæ, Gryllidæ*, and *Phasmidæ* has been brought up to date, and one of the *Locustidæ* prepared.

The collection of Odonata has been revised and many new species described.

The

The collection of Fulgoridæ has been revised and re-arranged.

The collection of British Gall-Flies and Saw-Flies (*Cynipidæ* and *Tenthredinidæ*), formed by Mr. P. Cameron, and which was the ground work of his Monograph published by the Ray Society, was presented to the Trustees by Mr. F. Ducane Godman. The whole of the specimens have been cleaned, re-mounted where necessary, labelled with their localities, and arranged in a new cabinet.

Various families of British Diptera (*Conopidæ, Leptidæ, Bombylidæ*) have been revised and re-arranged, while the accessions belonging to them have been determined, mounted, labelled and incorporated. A number of genera of the *Tabanidæ, Syrphidæ,* and *Muscidæ* have been similarly treated, and the working out and arrangement of the families *Ortalidæ* and *Trypetidæ* has been commenced. The unincorporated accessions belonging to families from *Pulicidæ* to *Syrphidæ* have been sorted and arranged in drawers in systematic order.

Various genera of exotic *Stratiomyidæ* have been re-determined and re-arranged; while with the help of Mr. C. W. Johnson, of Philadelphia, Pa., notes have been made on the types of the North American species belonging to this family described by the late Francis Walker.

The greater portion of the Diptera exhibited in the Insect Gallery has been examined and properly determined.

A small collection of Diptera from Trinidad, obtained from a flower of *Aristolochia gigas* has been worked out, and the results published.

Crustacea.—The manuscript catalogue of Brachyura, which was commenced last year, has been completed, but requires revision before final arrangement. The accessions during the year have nearly all been determined and incorporated.

A revision has been commenced of the microscopic preparations of "Challenger" Amphipoda, many of which require to be remounted. Various Amphipoda have, from time to time during the year, been named by Mr. A. O. Walker.

Vermes.—The exhibited collection of Annulata has been remounted, and numerous explanatory labels prepared.

The collection of *Polychæta* has been enlarged by the addition of representatives of genera from the Mediterranean not hitherto contained in the collection, the determinations of the Zoological Station at Naples being accepted.

Various earthworms have been determined by Dr. Benham, leeches by Dr. R. Blanchard, and land Planarians by Professor Graff.

 Echinoderma.—

Echinoderma.—The accessions to this class have been determined, and entered in the manuscript catalogue.

Anthozoa.—During the preparation of a third volume of the catalogue of Madreporaria by Mr. H. M. Bernard, all the specimens referred to, have been critically studied and determined.

An entirely new method of mounting corals for exhibition (in separate trays lined with velvet), has been applied to two cases, for which explanatory labels have been prepared. Another fine *Madrepora* has been set out, and to the skeleton of *Paragorgia arborea* there has been added a fine mass showing the polyps *in situ*.

Bryozoa, Hydrozoa, and Porifera.—The exhibited collection of *Bryozoa* has been remounted and relabelled. A manuscript list of the Calcareous Sponges in the collection has been prepared, and lists of the genera of *Medusæ*, *Siphonophora*, *Hydrocorallinæ*, *Ctenophora*, *Hydroida*, *Bryozoa*, *Hexactinellida* and *Tetractinellida* have also been compiled.

II.—*Duplicates.*

Duplicates have been presented to the Imperial Institute, the University College Museum, Dundee, and the Museums of Oxford, Exeter, Ipswich, Warrington, and Gibraltar, as follows:—355 Birds, 178 Reptiles, 2 Batrachians, 1 Fish, 253 Insects and a number of specimens of lacs, silks, etc.; while exchanges have been effected with the following institutions and individuals:—The Australian Museum, the Museums of Lyons, Leyden, Budapest, Christiania, Bergen, Travancore, Buenos Ayres, La Plata, the Royal College of Surgeons, and Eton College, the Honourable Walter Rothschild, Captain Nurse, Professor Kochler, and Messrs. Fulton, Werner, Dumergue, Henkel, and Beutenmüller.

III.—*Departmental Library.*

Forty-seven separate works and 794 new numbers of periodicals and parts of works in progress, obtained by presentation, exchange and purchase, have been added to the Departmental Library, and 347 volumes have been bound. The Library now contains 10,083 separate works, represented by 16,585 volumes.

IV.—*Publications.*

In addition to the Catalogues published by the Trustees mentioned in the earlier part of the Return, the following are the most important reports or descriptive papers which have been prepared by the staff in connection with the various parts

parts of the collection, especially recent acquisitions, and have been published in scientific journals:—

Mammalia.—"Descriptions of four new Mammals from South America"; "On Mammals from Celebes, Borneo and the Philippine Islands"; "Description of a new *Acomys* from Somaliland"; "On new small Mammals from the Neotropical Region"; "On *Cœnolestes*, a still existing survivor of the *Epanorthidæ*, and the representative of a new family of recent Marsupials"; "On a Wild-living Mouse of the Mus musculus group in Portugal"; "On the seasonal changes in the Common Squirrel"; "On Captain Bottego's second collection of Mammals from Somaliland"; by Oldfield Thomas.

Aves.—"On the Birds observed at the Salvage Islands, near Madeira"; "On the species of the genus *Turdinulus*"; "On the Birds of the Philippine Islands, Part VI., The vicinity of Cape Engano, North-east Luzon, Manila Bay, and Fuga Island, Babuyan Group; Part VII., The Highlands of Mindoro; Part VIII., The Highlands of Negros"; "On a new species of Honey-eater (*Ptilotis spilogaster*) from South-eastern New Guinea"; Notes on some Birds from the higher mountains of Nyika, west of L. Nyasa, Brit. Cent. Africa, with a descriptiou of a new species of Francolin (*Francolinus crawshayi*)"; "Additional Observations on the Birds of the Province of Foh-Kien"; "New species of Birds from the Philippines"; "On the seasonal changes of plumage in the Red Grouse, showing the alteration of the pattern month by month without a moult"; "A Handbook to the Game Birds, Vols. I. & II."; by W. R. Ogilvie Grant.

Reptilia and Batrachia.—"Second Report on the Reptiles and Batrachians obtained by Dr. Donaldson Smith during his expedition to Lake Rudolf"; "Report on Captain Bottego's second collection of Reptiles and Batrachians from Somaliland"; "On some Reptiles from Mona, West Indies"; "Description of a new Earth-Snake from Travancore"; "Description of a new Snake and a new Frog from North Australia"; "Descriptions of new Reptiles and Batrachians from Colombia"; "Descriptions of two new Lizards from the Transvaal"; "Description of a new Chameleon from Uganda"; "Descriptions of new Batrachians in the British Museum"; "Descriptions of new Reptiles and Batrachians from Celebes"; "Descriptions of new Lizards from Madagascar"; "Descriptions of two new Batrachians from Kina Balu"; "Description of a new genus of Elapine Snakes"; "Descriptions of new Lizards from Roebuck Bay, North Australia"; "Descriptions of new Batrachians from Costa Rica"; "Descriptions of two new Frogs obtained in Madagascar, by Dr. Forsyth Major"; "A new genus of Aglossal

Batrachians"; "Descriptions of two new Frogs from Lake Tanganyika"; "On *Bombinator pachypus* and its var *breripes*"; "On some little-known Batrachians from the Caucasus"; "Remarks on the Dentition of Snakes"; "On the occurrence of *Tomistoma schlegelii* in the Malay Peninsula, with remarks on the atlas and axis in the Crocodilians"; "On a new Gecko from Penang"; "A List of the Reptiles and Batrachians collected by Dr. Ragazzi in Shoa and Erithrea"; "A List of the Reptiles and Batrachians collected by Prince E. Ruspoli in Somaliland and Gallaland"; by G. A. Boulenger.

Pisces.—"On some Fresh-water Fishes from Smyrna"; "On a little-known Australian Fish (*Threpterius maculosus*), with remarks on the family *Cirrhitidæ*"; "List of the Fishes collected by the Rev. L. Jalla at Kazungula, Upper Zambesi"; "On a Collection of Fishes from the Rio Paraguay"; "Descriptions of new Fishes from the Upper Congo"; by G. A. Boulenger.

Mollusca.—"A List of the Land and Fresh-water Mollusca of Trinidad"; "On a collection of Land-shells from Celebes"; "On some Fresh-water Shells from the Island of Kolguev"; "A List of the Land-shells of the islands of Batchian, Ternate, and Gilolo"; "On some Land-shells from New Guinea and other neighbouring islands, with descriptions of new species"; "Notes on some Land-shells from Vanbu, Tonkin, with descriptions of two new species"; "On a collection of Land-shells from the islands of Selayar, Jampea, and Kalao"; Natural History Notes from H. M. Indian Marine Survey Steamer "Investigator," Series II. No. 22. "Descriptions of new Deep-sea Mollusca"; by E. A. Smith.

Arachnida and Myriopoda.—"Descriptions of new South African Spiders of the family *Heteropodidæ*"; "On the presence of Wood-Mason's stridulating organ in *Trechona zebrata*"; "On the species of the South African Scorpions *Opisthophthalmus* contained in the collection of the British Museum"; "Notes on some Ethiopian species of *Ischnurinæ* contained in the collection of the British Museum"; "A further revision of the species of Scorpions belonging to the South African genera *Uroplectes, Lepreus* and *Tityolepreus*"; "On the Scorpions, Centipedes, and Millipedes obtained by Dr. Gregory on his expedition to Mount Kenia"; "On a new generic distinction between the Scorpions of the genera *Scorpio* and *Palamnæus*"; "Description of a new species of Leaf-footed Centipedes (*Alipes*) from Nyasaland, together with notes upon the previously described species of the genus"; "Report upon the Scorpions, Spiders, Centipedes, and Millipedes obtained by Mr. and Mrs. E. Lort Phillips in the

the Goolis Mountains, inland of Berbera, North Somaliland"; "Report upon the Scorpions, Solifugæ, Centipedes, and Millipedes collected by Dr. Donaldson Smith in Somaliland"; by R. I. Pocock.

Insecta.—"Note on *Tenebrio ferrugineus*, Fabr. in the Banksian Collection"; "Observations on some *Buprestidæ* from the West Indies and other Localities"; by C. O. Waterhouse. "On Coleoptera from Aden and Somaliland"; by C. J. Gahan.

"On a collection of Butterflies obtained by Mr. Richard Crawshay in Nyasaland, between the months of January and April 1895"; "On the Butterflies obtained in Arabia and Somaliland by Captain Chas. G. Nurse and Colonel J. W. Yerbury in 1894 and 1895"; "On new Pierine Butterflies from Colombia"; "On Lepidoptera from Nyasa"; "On a new species of *Acræa*"; "On new species of *Catasticta*"; "On the synonymy of *Huphina lanassa*"; "Notes on the genus *Daptonura*"; "Notes on the synomymy of Noctuid Moths"; by Dr. A. G. Butler.

"Description of a new *Spindasis* from Ceylon"; by Francis A. Heron.

"On collections of Moths made at Aden by Colonel Yerbury and Captain Nurse"; "On the Classification of the *Pyralidæ* sub-families, *Epipaschianæ, Endotrichinæ* and *Pyralinæ*"; by Sir G. F. Hampson, Bart.

"Descriptions of new species of *Forficulidæ* in the collection of the British Museum"; "On some rare or new *Phasmidæ* in the collection of the British Museum"; "Description of a new species of Stick Insect (*Phasmidæ*) from British Central Africa"; "Descriptions of two new species of *Eugaster* (*Hetrodidæ*) from East Africa"; "On a collection of Moths from East Africa, formed by Dr. W. J. Ansorge, Medical Officer to the Uganda Administration"; "Report on the Hymenoptera collected during the Horn Expedition to Central Australia"; "On some Dragonflies collected by Mr. and Mrs. Lort Phillips in Somaliland"; "On a new Dragonfly captured by Mr. Scott Elliot in East Africa"; "Notes on the Cicadidæ of New Zealand"; "A List of the Orthoptera, Hymenoptera, and Hemiptera collected on the River Ogove, with descriptions of some new genera and species"; by W. F. Kirby.

'Necrophagous Diptera attracted by the odour of Flowers"; by E. E. Austen.

V.—*Acquisitions.*

During the past year the Department has been increased by the addition of 108,022 specimens, which are distributed among the various branches as follows :—

	By Presentation.	By Purchase.	By Exchange.	Total.
Mammalia	356	163	21	540
Aves — Godman and Salvin Collection	1,191	—	—	21,900
Aves — Seebohm Bequest	16,950	—	—	
Aves — Steere Collection	—	1,640	—	
Aves — Other sources	1,493	570	56	
Reptilia	571	292	23	886
Batrachia	388	255	4	647
Pisces	353	278	373	1,004
Urochordata	7	88	—	95
Hemichordata	1	—	—	1
Mollusca	2,484	722	58	3,264
Arachnida	2,611	153	—	2,764
Insecta — Power Collection	—	36,000	—	74,481
Insecta — Godman and Salvin Collections	14,467	—	—	
Insecta — Colonel Bingham's Hymenoptera	—	3,000	—	
Insecta — Other sources	17,127	2,665	1,222	
Myriopoda	1,245	91	—	1,336
Prototracheata	9	—	—	9
Crustacea	260	3	3	266
Bryozoa	23	—	—	23
Annulata	59	123	—	182
Nematoda, Rotifera, and Platyhelminthes	30	31	—	61
Echinoderma	57	1	26	84
Anthozoa	17	4	4	25
Hydrozoa	23	1	—	24
Porifera	85	178	—	263
Protozoa	167	—	—	167
Total	59,974	46,268	1,790	108,022

as

as compared with 48,600 in the year 1895.

54,957	,,	1894.
130,185	,,	1893.
76,011	,,	1892.
48,771	,,	1891.
77,658	,,	1890.
69,270	,,	1889.
44,081	,,	1888.
65,199	,,	1887.

Mammalia.—The additions to this class during the year have amounted to five hundred and forty. The following are the most important :—

Sixteen small Mammals from Sandringham, for the exhibition series ; presented by His Royal Highness the Prince of Wales.

A Fallow Deer *(Cervus dama)* and a Thar *(Hemitragus jemlaicus)* from Woburn Park ; presented by the Duke of Bedford.

A long-haired Leopard (*Felis pardus* var.) from Amurland; presented by Hon. Walter Rothschild.

The head of a Wild Goat (*Capra hircus)* from Skye ; presented by Sir Donald Currie.

Six Mammals from Spitzbergen ; presented by Dr. J. W. Gregory.

Twenty Mammals from the Cameroons, and sixteen from the French Congo ; presented by G. L. Bates, Esq.

A Sable Antelope (*Hippotragus niger*), a Gnu and twenty small Mammals from Nyasaland ; presented by Sir H. H. Johnston.

Pairs of Bontebok, Blesbok, Gnu and Inyala Antelopes, a male of the Springbok, and fifty-four small Mammals, including the types of two new species, from Matabeleland ; presented by F. C. Selous, Esq.

Ten Mammals from Central Africa, including the type of a new Rodent (*Lophuromys ansorgei*) ; presented by Dr. W. J. Ansorge.

Skins and skeletons of Speke's and Clarke's Gazelles (*Gazella spekei*), and *Ammodorcas clarkei*) ; presented by Ford G. Barclay, Esq.

Three Antelopes from Angoniland, including the type of a new Steinbok (*Raphiceros sharpei*) ; presented by Consul Alfred Sharpe.

The head of a Giraffe from the Kalahari Desert ; presented by H. A. Bryden, Esq.

The typical skin of a new Water Buck (*Kobus senganus*), and three other Mammals from Nyasaland ; presented by R. Crawshay, Esq.

Two Gazelles (*Gazella bennettii*), from Aden ; presented by E. N. Buxton, Esq.

Five Dik-diks (*Madoqua phillipsi* and *guentheri*), from Somaliland; presented by Captain G. F. J. Leather.

A Zebra (*Equus zebra*) from Cradock, Cape Colony; presented by C. Haseltine, Esq.

An Indian Elephant (*Elephas indicus*), which had lived in the Zoological Gardens since 1876; presented by His Royal Highness the Prince of Wales.

Eleven small Mammals from the Sikkim Himalayas and Assam; presented by Surgeon General L. A. Waddell.

Twelve specimens from Singapore and Keddah; presented by Lieutenant S. S. Flower.

A Parti-coloured Bear (*Œluropus melanoleucus*), and eight other large Mammals from the mountains of Sze-chuen; purchased.

Twenty-nine small Mammals from Kuatun and Foochow, including specimens of the rare Rodent (*Typhlomys cinereus*); presented by Messrs. J. de la Touche and C. B. Rickett.

A stuffed Alaskan Bear (*Ursus dalli*); purchased.

Twenty-four small Mammals from Costa Rica, collected by Mr. C. F. Underwood, and including the type of a new Bat (*Glyphonycteris sylvestris*); purchased.

Three Mammalia from Ecuador, including a new Pygmy Deer (*Pudua mephistophilis*), and a new Fish-eating Rat (*Ichthyomys soderströmi*); presented by Consul L. Soderström.

The typical specimens of seven new species of Columbian, Venezuelan and Argentine Rodents; presented by Oldfield Thomas.

Ten Bats from the Amazons; presented by Messrs. E. E. Austen and F. O. P. Cambridge.

The skeleton of a rare Dolphin (*Pontoporia blainvillei*) and twenty small Mammals from Argentina and Patagonia, including the type of a new Rodent (*Eligmodontia moreni*); received in exchange from the La Plata Museum.

Eight small Mammals from Theresopolis, Rio Janeiro, including a specimen of the rare *Blarinomys breviceps*; presented by Dr. E. A. Goeldi.

Five Mammalia from Tasmania; presented by Mrs. G. E. Frere.

Thirty-four small Mammals from Trobriand and Woodlark Islands, including the types of three new species; purchased.

The skeleton of a rare Whale (*Berardius arnouxi*) from New Zealand; purchased.

Aves.—Twenty-one thousand nine hundred specimens have been added to the collection during the past year, of which sixteen thousand nine hundred and fifty constitute the Seebohm Bequest. The following are some of the chief of the smaller acquisitions :—

A Golden Eagle (*Aquila chrysætus*), from Sutherlandshire; presented by G. T. Stibbard, Esq.

Twenty-two Geese, Ducks, and Wading-birds from Holland; presented by T. M. Pike and H. L. Popham, Esqs.

Sixty-six specimens of Eider Ducks (*Somateria mollissima*), and Black Guillemots (*Uria grylle*), illustrating the changes of plumage; from North Norway; purchased.

A skeleton of the Dalmatian Pelican (*Pelecanus crispus*); presented by the Director of Kew Gardens.

Eight Birds from Nyasaland, including the type of a new Francolin (*Francolinus crawshayi*); presented by Richard Crawshay, Esq.

Thirty-seven Birds from Nyasaland; presented by Consul Alfred Sharpe.

Seventy-two specimens of Birds from Nyasaland, including the types of the new species, *Oriolus chlorocephalus*, *Cryptospiza australis*, and *Criniger olivaceiceps*; presented by Sir H. H. Johnston, K.C.B.

Thirty-five specimens from Lake Albert Edward district; presented by G. F. Scott Elliot, Esq.

Thirty-one Birds from Machakos, East Africa, including the types of two new species, *Cisticola hindii* and *Serinus fagani*; presented by Dr. Hinde.

Twenty-one specimens of Birds from Matabeleland; presented by F. C. Selous, Esq.

A rare Pigeon, *Haplopelia principalis*, from West Africa, new to the collection; presented by the Committee of the Owens College, Manchester.

Thirty-five Birds from Mashonaland; presented by Guy A. K. Marshall, Esq.

Ninety-six Birds from Somaliland; purchased.

The Steere Collection of Philippine Birds, being the series of skins obtained by Professor J. B. Steere during his expedition to the Philippine Archipelago. This collection numbered one thousand six hundred and forty specimens, containing forty-four types, and fifteen species new to the collection; purchased.

A young Bligh's Whistling Thrush (*Myiophonus blighi*), with the nest and eggs, from Ceylon; presented by E. W. Antram, Esq.

Two small collections of Birds from the mountains of South-eastern New Guinea, containing *Paradisornis rudolphi*, the Blue-plumed Bird of Paradise, and other species new to the collection, including the types of *Oreopsittacus grandis* and *Melipotes atriceps*; purchased.

Seventeen Birds from Persia; presented by F. Gillett, Esq.

A pair of *Sitta magna*, the Great Nuthatch of Burma; presented by Major Rippon.

Thirty-two Birds from the Celebean Archipelago, containing eleven species new to the collection; purchased.

Eleven Birds of Paradise from Mount Victoria, British New Guinea; purchased.

The egg of the Red-breasted Goose (*Bernicla ruficollis*), from the Yenisei River; presented by H. L. Popham, Esq.

Nests, with parent-birds, of a Sun-bird (*Œthopyga magnifica*),

fica), and a Flower-pecker (*Dicæum hæmatortictum*), from the Island of Negros; presented by John Whitehead, Esq.

The young of *Arboricola erythrophrys* and *Hæmatortyx sanguiniceps*, from Kina Balu; presented by A. H. Everett, Esq.

Seventy-two Birds from Borneo and Celebes, collected by Mr. A. H. Everett, and comprising six species new to the collection; purchased.

A pair of *Alcippe davidi* from Ichang, China; presented by F. W. Styan, Esq.

Forty-nine specimens from the Marianne Islands, including nine species new to the collection; received in exchange from the Hon. Walter Rothschild.

The egg of the White-winged Trumpeter (*Psophia leucoptera*); presented by F. A. Blaauw, Esq.

Two males of Anderson's Silver Pheasant (*Gennæus andersoni*), from the Ruby Mines, Burma; presented by Eugene W. Oates, Esq.

Forty-one specimens from Luzon, Philippine Islands, collected by Mr. John Whitehead, and containing eighteen species new to the collection; purchased.

A pair of the Luzon Flower-pecker (*Dicæum pygmæum*), with nest; presented by John Whitehead, Esq.

A pair of Hodgson's Partridge (*Perdix hodgsoniæ*), from Thibet; presented by St. George Littledale, Esq.

Forty-five Birds from Andros Island, Bahamas; presented by Neville Chamberlain, Esq.

One hundred and five Humming Birds from Ecuador, including two species new to the collection; presented by the Hon. Walter Rothschild.

Eighteen Birds from Chili, including the types of *Phrygilus coracinus*; presented by Mrs. Berkeley James.

A collection of four hundred and twenty Birds from British Guiana; presented by Messrs J. J. Quelch and F. V. McConnell.

Four Petrels from the Kermadec Islands; presented by Professor F. W. Hutton, F.R.S.

Thirty-nine Australian Birds in spirit; presented by C. Burton, Esq.

Reptilia.—The additions number eight hundred and eighty-six, of which the following are the most noteworthy:—

Ten specimens from Herzegovina; purchased.

Thirteen specimens from Oran, Algeria, among which is a Lizard new to the collection (*Chalcides mauritanicus*); received in exchange.

Seven specimens from Tunisia; presented by O. V. Aplin, Esq.

Nine specimens from the Ogové district, including a Lizard new to the collection (*Poromera fordii*); collected by Miss Kingsley; purchased.

Two

Two specimens of a Snake from Natal (*Elapechis sundevallii*), new to the collection; presented by F. J. Quekett, Esq.

Thirty-seven specimens collected in Madagascar by Dr. Forsyth Major, including specimens of a Lizard new to the collection (*Phalsumus breviceps*).

Fifty-eight specimens collected by Dr. Ragazzi in Shoa and Erythria, including types of a new Lizard (*Pristurus percristatus*); presented by the Marquis G. Doria.

Forty specimens collected by Captain Bottego and the late Prince E. Ruspoli in Somaliland and Gallaland, including a Lizard (*Eremias striata*) and a Snake (*Typhlops cuneirostris*) new to the collection, and types of two new Lizards (*Hemidactylus ruspolii* and *macropholis*); presented by the Marquis G. Doria.

Eighteen specimens collected by Dr. W. J. Ansorge in British East Africa; purchased.

Nineteen specimens from Uganda, among them being a new Chamæleon (*Chamæleon jacksonii*); presented by F. J. Jackson, Esq.

Twenty specimens from Lake Tanganyika; presented by W. H. Nutt, Esq.

Twenty specimens from British Central Africa, including a Snake new to the collection (*Aparallactus punctatolineatus*); presented by Sir H. H. Johnson, K.C.B.

A new Snake from Sierra Leone (*Aparallactus niger*); purchased.

Eight specimens from Togoland; purchased.

A specimen of Schlegel's Gavial (*Tomistoma schlegelii*) from Perak; presented by L. Wray, Esq.

Ten specimens from Kina Balu and Borneo, collected by Mr. Everett; purchased.

Eighty specimens from Celebes, including the types of seven new species (*Gymnodactylus jellesmæ, Gymnodactylus fumosus, Lygosoma sarasinorum, Tropidonotus sarasinorum, Calamaria acutirostris, Calamaria muelleri,* and *Calamaria collaris*); presented by Drs. P. and F. Sarasin.

Twenty-seven specimens collected by Mr. A. Everett in S. Celebes, among which is a Snake new to the collection (*Tropidonotus celebicus*) and three new Snakes (*Calamaria nuchalis, curta,* and *gracilis*); purchased.

A Lizard from Kalao, new to the collection (*Gymnodactylus armandvillii*); purchased.

Two new Snakes from Jampea (*Cylindrophis isolepis* and *Lachesis fasciatus*); purchased.

Nineteen specimens from the Philippine Islands; presented by the Subscribers to the Whitehead Expedition Fund.

Eight Sea-snakes from the Indian Ocean, among them the types of four species (*Hydrophis obscurus, chloris, nigrocinctus,* and *Distira melanosoma*); obtained in exchange from the Museum of the Royal College of Surgeons.

Twenty-four specimens from Mount Victoria, New Guinea, including the types of five new Lizards (*Lygosoma nigrolineatum, stanleyanum, elegans, curtum,* and *iridescens*); purchased.

Seventeen specimens from Woodlark Island, among which is the type of a new genus of Snakes (*Toxicocalamus longissimus*); purchased.

Eleven specimens from Western Baluchistan, including types of four new species (*Phrynocephalus euptilopus, Scaptira aporosceles, Lytorhynchus maynardi,* and *Eristicophis macmahoni*); presented by the Trustees of the Indian Museum, Calcutta.

Eight specimens from Kashmir; presented by Dr. J. C. T. Aitchison, F.R.S.

Two specimens of a new Snake from Sind (*Bungarus sindanus*); presented by W. S. Millard, Esq.

Fifty-one specimens from the Malay Peninsula, including a Lizard new to the Museum (*Mabuia novemcarinata*), and the types of two new Lizards (*Gonatodes penangensis* and *Mimetozoon floweri*); presented by Lieutenant S. S. Flower.

Twenty-one specimens from the Mountains of Java, collected by Herr Frühstorfer; purchased.

Twenty specimens from East Java; presented by Herbert C. Robinson, Esq,

Twelve specimens from North America, including a Snake new to the collection (*Homalocranium coronatum*); purchased.

A rare Snake from Florida, new to the collection (*Stilosoma extenuatum*); presented by Dr. E. Loennberg.

Twenty-five specimens from Costa Rica, among them a Snake new to the collection (*Rhadinæa calligaster*); purchased.

The type of a recently-described Tortoise from Paraguay (*Hydraspis boulengeri*); purchased.

Fifteen specimens obtained by Dr. Dahl in West Australia, including a Lizard new to the collection (*Lygosoma bipes*), and the type of a new species (*Egernia dahlii*); presented by the Christiania Museum.

Thirty specimens from New South Wales, among which is a Lizard new to the collection (*Diplodactulus intermedius*); presented by D. A. Porter, Esq.

Sixteen specimens from Victoria, including a Snake new to the collection (*Denisonia flagellum*); purchased.

Type specimens of two new Lizards (*Ablepharus tenuis* and *ornatus*) from Queensland; presented by Dr. R. Broom.

An Australian Lizard new to the collection (*Pletholax gracilis*); received in exchange from Eton College.

Specimens of a Lizard from West Australia (*Moloch horridus*); presented by Sir John Lubbock, Bart., F.R.S., and R. W. Harvey, Esq.

Batrachia.—

Batrachia.—The additions to this class during the year number six hundred and forty-seven, of which the following are the principal :—

A Frog (*Pelodytes caucasicus*) and two rare Salamanders (*Salamandra caucasica* and *Molge vittata*); presented by Dr. Radde.

Thirteen specimens from Somaliland and Gallaland, collected by Captain Bottego and Prince E. Ruspoli, among which is a Frog new to the collection (*Arthroleptis bottegi*); presented by the Marquis G. Doria.

Thirteen specimens from Lake Tanganyika, including types of two new species (*Rana pulchra* and *nutti*), and a Toad new to the collection (*Bufo taitanus*); presented by W. H. Nutt, Esq.

Nine specimens from British Central Africa, including a new Frog (*Megalixalus brachycnemis*); presented by Sir H. H. Johnston, K.C.B.

Specimens of a new Toad from Angola (*Bufo dombensis*); presented by Professor Barboza du Bocage.

Fifty specimens collected by Dr. Forsyth Major in Madagascar, among them types of two new species (*Mantidactylus majori* and *Rhacophorus peraccæ*).

Thirty-one specimens from Mount Victoria, New Guinea, among them a Frog new to the collection (*Sphenophryne cornuta*), and the types of five new species (*Liophryne rhododactyla, Liophryne brevipes, Mantophryne lateralis, Sphenophryne anthonyi*, and *Nyctimantis papua*); purchased.

The type of a new Frog from British New Guinea (*Xenorhina atra*); purchased.

Sixty-nine specimens from the Malay Peninsula; presented by Lieutenant S. S. Flower.

A Toad new to the collection (*Bufo penangensis*), and types of two new species (*Cornufer baluensis* and *Nectophryne everetti*); obtained by Mr. A. Everett on Kina Balu; purchased.

Twenty-two specimens obtained by Herr Frühstorfer in the Mountains of Java, including types of two new species (*Ixalus vittiger* and *Microhyla palmipes*); purchased.

Twenty-eight specimens from Celebes, among them types of three new species (*Rana macrops, Rhacophorus monticola*, and *Sphenophryne variabilis*); presented by Drs. P. and F. Sarasin.

Eighteen specimens from the Philippine Islands, among which are three new Frogs (*Cornufer jagorii, Ixalus leitensis*, and *Ixalus mindorensis*); presented by the Subscribers to the Whitehead Expedition Fund.

A new Salamander from Arkansas (*Amblystoma annulatum*); purchased.

0.125. One

One of the types of a recently-discovered blind, tailed Batrachian (*Typhlomolge rathbuni*), from an artesian well in Texas; presented by the United States National Museum.

Sixty-nine specimens from Costa Rica, including examples of several species new to the collection, and the types of three new species (*Hylodes underwoodii, Hylella punctic*rus, and *Spelerpes subpalmatus*); purchased.

A Frog new to the collection (*Ceratophrys cristiceps*) and the type of a new genus (*Corythomantis greeningi*), from Brazil; presented by L. Greening, Esq.

Pisces.—The additions for the year number one thousand and four. The following deserve special notice:—

A specimen of the Deal Fish (*Trachypterus arcticus*) from the Orkney Islands; presented by Angus Buchanan, Esq.

A specimen of the Oar Fish (*Regalecus banksii*) from the Moray Firth; presented by J. M. Chadwick, Esq.

A specimen of the Wolf Fish (*Anarrhicas lupus*) from the Dorset coast; presented by the Rev. J. H. Douglas.

A Maigre (*Sciæna æquila*) from Dungeness; presented by R. Burdridge, Esq.

A Sun Fish (*Orthagoriscus mola*) from Dungeness; purchased.

A rare Shark (*Spinax niger*) from the coast of Norway; presented by G. Sim, Esq.

Eighty-seven specimens from Spain; presented by M. V. L. Sloane.

Fifty-four specimens from Lake Garda; purchased.

Specimens of two rare Sturgeons (*Acipenser glaber* and *stellatus*); received in exchange.

Two rare deep-sea Fishes from the Mediterranean (*Notacanthus mediterraneus* and *bonapartii*); purchased.

Specimens of a little-known Trout (*Salmo ischan*), and types of a new Goby (*Gobius caucasicus*) from the Caucasus; presented by Dr. Radde.

Seven specimens from the Franz Josef Archipelago; presented by A. C. Harmsworth, Esq.

Nineteen specimens frem Lower Egypt, among which is a Cat Fish new to the collection (*Siluranodon auritus*), and types of a new species (*Chromis menzalensis*); presented by J. C. Mitchell, Esq.

Type-specimens of a new Fish from Gallaland (*Neobola bottegi*); presented by the Marquis G. Doria.

A new Fish (*Chromis auratus*) from Lake Nyasa; presented by G. H. Pigott, Esq.

Thirty-eight specimens from the Shiré River, including types of two new genera (*Docimodus johnstonii* and *Corematodus shiranus*), and three new species (*Chromis rendalli, Oreochromis shiranus,* and *Barilius guentheri*); presented by Sir H. H. Johnston, K.C.B.

Type

Type specimens of *Mormyrus tenuicauda* from Liberia; presented by Dr. A. Günther, F.R.S.

One hundred and three specimens collected by Miss Kingsley from the Ogowe River, including types of several new species (*Ctenopoma kingsleyæ, Chromis ogowensis, Clarias walkeri, Alestes kingsleyæ, Mormyrus kingsleyæ,* and *Mormyrus amblystoma*); purchased.

Twenty-seven specimens from the Upper Congo, among them types of four new species (*Mastacembelus congicus, Pelmatochromis guentheri, Ctenopoma weeksii,* and *Clarias dolloi*); presented by J. W. Weeks, Esq.

Two Fishes new to the collection (*Clinus versicolor* and *Clupea ocellata*) from Table Bay; presented by J. D. F. Gilchrist, Esq.

Six deep-sea Fishes from the Bay of Bengal, including types of *Lamprogrammus niger* and *Dermatorus melanocephalus*); presented by the Trustees of the Indian Museum, Calcutta.

A Fish new to the collection (*Lepidotrigla longipinnis*) from Ceylon; presented by P. W. Bassett Smith, Esq.

Three hundred and sixty-two specimens, mostly from the deep sea off the coasts of North America, including types of many species recently described by Goode and Bean; received in exchange from the Smithsonian Institution.

Thirteen skeletons of Californian Fishes; purchased.

Examples of a Fish new to the collection (*Etheostoma quiescens*) from Florida; presented by Dr. E. Loennberg.

Twenty-two specimens from Rio Janeiro Province, Brazil, including types of a new species (*Trichomycterus goeldii*); presented by Dr. E. A. Goeldi.

Seventy-four specimens from Victoria, including a Fish new to the collection (*Threpterius maculosus*); purchased.

Fourteen specimens from New Zealand; presented by the Canterbury Museum, Christchurch, New Zealand.

A Fish new to the collection (*Labrichthys coccineus*) from New Zealand; presented by F. W. Hutton, Esq., F.R.S.

Urochordata.—Ninety-five specimens were added to this class. The principal acquisitions consist of:—

A series of eighty-eight specimens of British Tunicates purchased from the Marine Biological Association.

Hemichordata.—Only a single example belonging to this class was obtained, namely, a specimen of the lately-described *Ptychodera australiensis*, from Sydney, New South Wales; presented by Professor G. B. Howes.

Mollusca.—Three thousand two hundred and sixty-four specimens were acquired during the year. The following are the more important collections:—

Thirty-three marine Shells from Tangier and the English coast, and thirty-four enlarged photographs of minute British species; presented by Dr. G. W. Chaster.

Eight land Shells from Vanbu, Tonkin, including the types of new species of *Helix* and *Pterocyclus*; purchased.

Fifty specimens of *Amphidromus* from Borneo, Sumatra, and other localities, including some types and many species new to the collection; purchased.

Sixty land Shells from New Guinea, seventy land and freshwater Shells from South Celebes, and one hundred and ninety-one from the islands of Jampea, Selayar, and Kalao. These series contain many new species described since their acquisition, and others which were desiderata in the collection; purchased.

Seventy-three land Shells from New Guinea, Batchian, &c.; presented by Herr Bruno Strubell.

Eighty-five land, freshwater, and marine Shells, including several species new to the collection, from South Africa, the West Indies, and other localities; presented by J. H. Ponsonby, Esq.

Four hundred and seventy marine Shells from Australia, including many species new to the collection; presented by A. U. Henn, Esq.

The types of fourteen species of *Pleurotomidæ* from South Australia; presented by Dr. J. C. Verco.

One hundred and nineteen specimens of *Chitonidæ* from South Australia; presented by W. T. Bednall, Esq.

Twenty-one marine Shells from the collection of Mon. Thomas of Brest, including the types of thirteen species; purchased.

Forty-six land Shells from Peru, one hundred and sixty-six land, freshwater, and marine specimens from New Guinea, &c., and forty-three marine Shells from the Mekran coast. These comprise several type-specimens and many species new to the collection; purchased.

Eighty-two land, freshwater, and marine Shells from various localities, including the types of twenty-six species from Bombay, and the type of *Cypræa amphithales*; presented by J. Cosmo Melvill, Esq.

Seventy-six specimens of Slugs, including the types of eight species of *Janella*, *Amalia*, *Arion* and *Limax* from the collection of W. E. Collinge, Esq.; purchased.

Arachnida.—Two thousand seven hundred and sixty-four specimens were added to this branch of the collection. The following acquisitions are the most important.

Thirty

Thirty specimens, including examples of *Thelcticopis modesta*, new to the collection, and of *Ctenus floweri*, new to science, from the Malay Peninsula; presented by Lieut. S. S. Flower.

Forty-five Arachnida from Singapore, including examples of *Coremiocnemis cunicularius*, new to the collection; presented by H. N. Ridley, Esq.

Four hundred and sixty-three Scorpions from various parts of India, including representatives of new species of *Buthus*, *Orthochirus*, *Palmnæus* and *Isometrus*; presented by the Natural History Society of Bombay.

Six Scorpions from Java, Sumatra, and Celebes, including the types of *Chærilus cavernicola*, *Chærilus celebensis* and *Hormurus weberi*; presented by Dr. Max Weber.

Fifty Arachnida from Jampea, Selayar and South Celebes, including examples of new species of *Sason* and *Selenocosmia*; purchased.

Seventy-nine Spiders and Scorpions from Mashonaland and Natal, containing specimens of a new species of Scorpion (*Uroplectes marshalli*) and of *Uroplectes planimanus*, new to the collection; presented by G. A. K. Marshall, Esq.

Eighteen Spiders and Scorpions from the east side of Lake Nyassa, including examples of new species of *Opisthocanthus* and *Uroplectes*; presented by the Universities' Mission.

Eighty-one Spiders of the family *Attidæ*, referable to fourteen species, from St. Vincent, determined by Mr. G. W. Peckham; presented by the West Indies Exploration Committee.

Seventy-two Spiders from Costa Rica, including examples of *Sphærobothria hoffmanni* and *Sericopelma rubronitens*, new to the collection, and of *Ctenus sinuatipes*, new to science; presented by the Trustees of the Museo Nacional de Costa Rica.

Fifteen hundred Arachnida from the Lower Amazons, including representatives of many new species of Spiders; collected by Messrs. Austen and Cambridge during the expedition of Messrs. Siemens Bros.' cable, S.S. "Faraday" from Para to Manaos.

Fifteen specimens from Pichinche and the river Dagua in Colombia, containing examples of the rare Scorpion *Chactas vanbenedenii*, and of a new species of Spider (*Ctenus colombianus*); purchased.

Three Spiders from the East Murchison Goldfields, W. Australia, including a specimen of a new species of Trap-door Spider (*Anidiops manstridgei*); presented by W. O. Manstridge, Esq.

Eighty-five Arachnida from various localities, forming part of the collection of the late F. P. Pascoe; presented by Miss Pascoe.

Insecta.—The total number of specimens acquired during the year amounted to seventy-four thousand four hundred and eighty-one. They are distributed as follows:—

Coleoptera	42,454
Orthoptera	1,490
Neuroptera	410
Lepidoptera	11,876
Hymenoptera	7,670
Diptera	3,085
Rhynchota	7,280
Nests, economic specimens, etc.	225
Total	74,481

The most important of these are:—

(From Great Britain.)

Thirty thousand Coleoptera and six thousand Hemiptera, the collection formed by the late Dr. John A. Power; purchased.

Six hundred and forty Diptera, eighteen Coleoptera, seven Hymenoptera and two Neuroptera, from South Devon, the New Forest and Farrington, Herefordshire; presented by Col. Yerbury.

Fifty Diptera from Roscrea, Tipperary; presented by C. J. Gahan, Esq.

Eighty-seven Diptera from Felixtowe and four hundred and eighty-four from Hertfordshire, including *Degeeria ornata*, new to the collection; collected, mounted and mostly named by the donor, A. Piffard, Esq.

Male and female specimens of *Prestwichia*, a rare aquatic Hymenopteron; purchased.

One hundred and fifty Diptera from Bearsted, Kent, and twelve specimens of Scale Insect (*Aspidiotus limonii*) on a lemon; presented by E. E. Green, Esq.

Three hundred and forty-three moths from Mr. C. A. Briggs' collection; purchased.

Four Peach Stems from Fernhurst with *Aspidiotus ostreæformis*; presented by O. Salvin, Esq., F.R.S.

(From Europe.)

Twenty-six Coleoptera, twelve Orthoptera, sixty Diptera and forty Hymenoptera, including *Polistes biglumis* with its nest; collected at S. Antonien, Switzerland, and presented by Sir W. H. Flower, K.C.B.

One thousand eight hundred and sixty-one Coleoptera, five hundred and four Orthoptera, five hundred and seventy-one Lepidoptera and seventy-three Rhynchota, from Greece; presented by Mrs. Merlin.

(From Africa.)

One hundred and thirty Coleoptera, fourteen Orthoptera, sixty-three Butterflies, six Moths, ten Diptera and eight Rhynchota, including many rare species, from Fwambo (near Tanganyika) and Kambole; presented by W. H. Nutt, Esq.

Twelve Coleoptera, twenty-one Moths, thirty-three *Pierinæ* (chiefly *Teracolus*) and six *Tabanidæ*, from South Africa; presented by G. A. K. Marshall, Esq.

Four hundred and fifty Coleoptera, twelve Orthoptera, twenty-two Hymenoptera, forty Hemiptera, two Homoptera, and five hundred and twenty-five Lepidoptera, including *Phrissura nyasana*, and *Phœgorista zebra*, with other new species, from Nyasaland; presented by Sir H. H. Johnston, K.C.B.

Fifteen Coleoptera, twelve Orthoptera, five Neuroptera, twenty-two Hymenoptera, twenty-four Diptera, and a Butterfly, from St. Vincent, Cape Verde Islands; collected by E. E. Austen, Esq., during the voyage of Messrs. Siemens' cable S.S. "Faraday."

Three Coleoptera, seven Orthoptera, one Hymenopteron, and four Hemiptera, from St. Vincent, Cape Verde Islands; collected by F. Pickard-Cambridge, Esq., during the voyage of Messrs. Siemens' cable S.S. "Faraday."

Thirty Coleoptera, three Orthoptera, and thirty-four Moths from East Africa, collected by Dr. W. J. Ansorge.

Two hundred Coleoptera, from Mashonaland; presented by the African Review Publishing Company.

Twelve Coleoptera, thirteen Orthoptera, thirteen Hymenoptera, and fifteen Hemiptera, from West Africa; presented by Miss Mary Kingsley.

Two hundred and eighty-five Lepidoptera, including eighteen new species, amongst which *Planema scalivittata*, *Alæna reticulata*, *Cyclopides perexcellens*, and *Phalera latipennis*, are especially worthy of mention; also twelve Coleoptera, and five Hemiptera, from Nyasaland; presented by R. Crawshay, Esq.

Two hundred and fifty-seven Diptera, two Coleoptera, thirty-eight Orthoptera, and a Cicada, from Algeria; presented by the Rev. A. E. Eaton.

Four Butterflies, including *Charaxes lacteitinctus*, from the Niger district; purchased.

Twenty Coleoptera, thirty-one Orthoptera, four Neuroptera, twelve Hymenoptera, two Diptera, and eight Rhynchota, from Kota Kota and neighbourhood; presented by the Universities Mission.

Six Lepidoptera from East Africa, including *Sabalia picarina*, Walker; purchased.

A specimen of *Teracolus castalis*, two of *Teracolus venosus*, from Mombasa, and a Phasmid from Lauderdale, Central Africa; purchased.

(From Asia.)

One hundred and thirty Lepidoptera, from China, part of the Seebohm Bequest.

Four hundred and forty Phytophagous Coleoptera, from Sumatra, duplicates from the collection made by Signor E. Modigliana, and worked out by Mr. Jacoby; purchased.

Twelve Coleoptera and twelve Hemiptera, from Engano and New Guinea; presented by Dr. R. Gestro.

Ten Coleoptera, one hundred Blattidæ, two hundred Hymenoptera, two hundred and six Moths, fifty Diptera, one hundred and fifty Hemiptera, and twenty Homoptera, from the Khasia Hills; purchased.

Forty-seven Lepidoptera, chiefly Butterflies, from Tibet, including *Argynnis gemmata*, *Aulocera brahminus*, and other species, some of which are new to the collection; presented by Captain F. C. Colomb.

Six hundred and twenty-nine Heterocera, from Pulo Laut, and two hundred and eighty-five from the Malayan region, including fifty-four types of *Pyralidæ*, described by E. Meyrick; presented by H. J. Elwes, Esq.

Fifty-eight Hymenoptera, determined by Colonel Bingham, from North Luzon, Philippine Islands, and three Hymenoptera, seventeen Homoptera, and six Diptera, from Mindoro; presented by the subscribers to the Whitehead Expedition Fund.

Five hundred and nine Coleoptera, sixty-four Orthoptera, twenty-five Neuroptera, thirty-seven Hymenoptera, one hundred and seventy-five Lepidoptera, one hundred and thirteen Rhynchota, sixty Diptera, and twenty-seven nests, &c., from the Malay Peninsula; presented by H. N. Ridley, Esq.

Two hundred Diptera, and twenty Rhynchota, from Amherst, Tenasserim; presented by Colonel Bingham.

One hundred and ninety Coleoptera, ninety Orthoptera, one hundred Hymenoptera, two Diptera, and eighty Rhynchota, from Sandakan, North Borneo; presented by Governor C. V. Creagh.

Forty-eight Coleoptera, sixty-eight Orthoptera, and twenty-four Rhynchota, from Penang; presented by Lieutenant S. S. Flower.

Eighty-nine Moths, from Assam; purchased.

Three Coleoptera, six Neuroptera, thirty Hymenoptera, one Dipteron, and thirty-eight Heterocera, including eleven types of new species, from Sikkim; presented by G. C. Dudgeon.

Thirty-eight Moths, including twenty-eight types of new species, from Aden; exchanged for their names by Captain E. C. Nurse.

Thirty-two Lepidoptera, from India, the types of new species; purchased.

A remarkable

A remarkable Orthopterous Insect, from Ceylon (*Dyscritina longisetosa*, Westwood), in spirits, with tarsus and tail in a microscope slide; also four *Forficulidæ* and four Ants (*Œcophila*), with their larvæ, from the same locality; presented by E. E. Green, Esq.

Four hundred and sixty-six Moths, from Eastern Java and Bali; purchased.

Three Coleoptera and nine Lepidoptera, new to the collection, including *Apocalypsis velox*, from New Guinea, the Philippines, &c, purchased.

Six specimens from Asia Minor, illustrating the metamorphoses of *Propomacrus*; purchased.

(From North America.)

Sixteen Coleoptera, fifty Hymenoptera, eleven Lepidoptera, with nineteen cases of *Psychidæ*, five Diptera, and eighteen Homoptera, from various parts of the continent; presented by Professor T. D. A. Cockerell.

Fifty-four *Noctuidæ*, from Colorado, chiefly new species described by J. B. Smith; obtained by exchange with H. J. Elwes, Esq.

(From Central America.)

Six hundred and ten *Sphingidæ* and *Castniidæ*, described by H. Druce, in "Biologia Centrali Americana," and six thousand one hundred and ninety-two Malacoderm Beetles, described by the Rev. H. S. Gorham in the same work; presented by F. D. Godman, Esq., F.R.S., and O. Salvin, Esq., F.R.S.

(From the West Indies.)

Six hundred Heteromerous Beetles, named by Mr. Champion, and ten *Buprestidæ*, described by Mr. C. O. Waterhouse, thirty-one Butterflies and thirty-six Moths, eight hundred and seventy Hymenoptera, twenty-five Orthoptera, nineteen Odonata, seventeen Diptera, and twenty-three Rhynchota, from the West Indies; presented by the West Indies Exploration Committee of the Royal Society and British Association.

Fourteen Coleoptera and twenty-two Orthoptera, from Barbadoes; presented by J. Leach, Esq.

(From South America.)

Four hundred and twelve Coleoptera, two hundred and five Orthoptera, two hundred Neuroptera, four hundred and thirty-one Hymenoptera, one hundred and fifty-seven Butterflies, three hundred and ninety Moths, four hundred and seventy-six Diptera, two hundred and seventy-one Rhynchota, a Wasp's nest, two nests of *Chartergus chartarius*, a Mantis egg-capsule, and a moth-cocoon, collected by Messrs.

E. E. Austen and F. O. Pickard Cambridge, during the expedition of Messrs Siemens Brothers' cable S.S "Faraday," from Para to Manaos.

Twenty-four Coleoptera, forty-four Orthoptera, seventeen Hymenoptera, seventeen Lepidoptera, five Diptera, and one hundred and forty-three Rhynchota, from Colombia; purchased.

Three hundred Coleoptera, eighty-two Lepidoptera, thirty Hemiptera and eighteen Insects of other orders from various parts of South America; presented by O. Thomas, Esq.

Twenty Coleoptera, six Orthoptera, two Neuroptera, six Hymenoptera, twelve Lepidoptera, and a Reduviid, from Guayaquil; exchanged with C. H. Dolby Tyler, Esq.

Fourteen Coleoptera and eighty-eight Lepidoptera, including some rare species of *Antirrhœa*, from Colombia; purchased.

(From the Australian Region.)

Forty Hymenoptera, from Central Australia, exchanged with Professor W. Baldwin Spencer.

Nineteen species of *Crambidæ*, new to the collection, from Australia and New Zealand; presented by E. Meyrick, Esq.

One Beetle, one Cockroach, two Locusts, and a Cicada, from Chapman River, West Australia; purchased.

(From Various Localities.)

One hundred Coleoptera, ninety Orthoptera, sixty Hymenoptera, five Lepidoptera, fifty Diptera, forty Hemiptera, ten Homoptera, and one hundred and ten Economic Specimens selected from the portions of the collection of the late F. P. Pascoe, not included in the purchase, and presented by Miss Pascoe.

Three thousand and seventy-three *Pierinæ*, and two hundred and ninety-nine Butterflies of various groups; presented by F. Ducane Godman, Esq., F.R.S. ,and O. Salvin, Esq., F.R.S.

Sixty-five Hymenoptera, from the Mediterranean, and thirty-four from Africa; also twenty-one Neuroptera, and thirty Diptera, from Africa; presented by Philip de la Garde, Esq., R.N.

Three thousand Hymenoptera, collected by Colonel Bingham; purchased,

Two thousand six hundred specimens of *Cynipidæ* and *Tenthredinidæ*, the collection formed by Mr. P. Cameron, containing six hundred and eighteen species, including one hundred and forty-one types, three hundred and ninety-one microscopic slides, and one hundred and three larvæ; also two hundred and forty-two drawings, galls, &c.; presented by F. D. Godman, Esq., F.R.S.

Forty-six Moths, consisting of co-types of *Pyralidæ*, *Thyrididæ* and *Epiplemidæ* in Mr. Rothschild's collection, described by Mr. Warren, from Assam and Australia; purchased.

Eighteen Lepidoptera, including male and female types of *Iolaus nursei*, seven pupæ, and two larvæ, from Arabia and Somaliland; presented by Captain Nurse.

Eleven Lepidoptera for exhibition in the Insect Gallery; purchased.

Myriopoda.—One thousand three hundred and thirty-six Myriopoda were acquired during the year. The following collections may be especially noticed:—

Ninety-one examples from Java, Sumatra, Celebes, &c., including the types of all the species described in Dr. Max Weber's "Zoologische Ergebnisse," &c.; presented by Dr. Max Weber.

Seventeen Millipedes collected by Mr. C. Hose at Minnahassa, including examples of new, but as yet undescribed, species of *Rhinocricus* and *Platyrrhachus;* purchased.

Seventeen Centipedes and Millipedes from Mount Victoria, New Guinea, including representatives of new species of *Platyrrhachus* and *Rhinocricus;* purchased.

Thirty-two specimens collected by Mr. A. Everett in S. Celebes, Jampea Island, &c., containing examples of new species of *Orthomorpha*, *Trigoniulus* and *Rhinocricus;* purchased.

Fifty-eight specimens from Penang and Singapore, including an example of *Rhysida carinulata*, new to the collection; presented by Lieut. S. S. Flower.

Sixteen specimens from Kinyamholo (L. Tanganyika), including examples of undescribed species of Millipedes of the genera *Orodesmus* and *Eurydesmus;* presented by W. H. Nutt, Esq.

Eight hundred specimens, including representatives of many new, but as yet undescribed species from the Lower Amazons, collected by Messrs. E. E. Austen and F. O. P. Cambridge, during the expedition of Messrs. Siemens Bros.' cable S.S. "Faraday," from Para to Manaos.

Eighty examples from La Plata and the Argentine, including specimens of new species of *Polyxenus* and *Henicops*; presented by Oldfield Thomas, Esq.

Fifty-nine specimens from various localities, including examples of the rare *Platyrrhacus dunalii* and *Rhinocricus roseus* from Bogota, belonging to the collection of the late F. P. Pascoe; presented by Miss Pascoe.

Prototracheata.—Nine specimens were acquired during the year, viz.:—

A specimen of *Peripatus* from the West Indies, presented by W. R. Forrest, Esq.

Eight specimens of *Peripatus* from Brazil, collected by Messrs. Austen and Cambridge during the voyage of Messrs. Siemens, Bros.' cable S.S. "Faraday," from Para to Manaos.

Crustacea.—Two hundred and thirty-six specimens were added to this class. The most important acquisitions are :—

Thirty fish-parasites from Plymouth; presented by P. W. Basset-Smith, Esq.

Twenty-seven Amphipods from Jersey and Guernsey; presented by A. O. Walker, Esq.

Sixteen dried Decapods from Naples; presented by Miss Pascoe.

Forty deep sea forms from the Indian Ocean; presented by the Indian Museum, Calcutta.

Twenty-seven West Indian Isopods, determined by Mon. Dollfus; presented by the West Indian Committee of the Royal Society.

A collection, chiefly of larvæ, made in the New Hebrides; presented by Captain Meryon, R.N.

Bryozoa.—Only twenty three specimens were added to this branch of the collection. None are of special interest.

Annulata, Nematoda, Rotifera and Platyhelminthes.—Of these groups of Worms, two hundred and forty-three examples were acquired. The most important are :—

A large Dutrochet's Landleech, from Maidenhead; presented by Latimer Clark, Esq., F.R.S.

Sixty-five well-preserved Worms from Naples, and forty-eight from Plymouth; purchased.

The type of a new family, *Arhynchus hemignathi;* presented by A. E. Shipley, Esq.

Twelve well-preserved examples of Rotifera; mounted and presented by C. Rousselet, Esq.

Thirty-one well-preserved specimens of Platyhelminthes, purchased from the Marine Biological Association.

Six Land Planarians from Ceylon, determined by Prof. Graff, and presented by E. E. Green, Esq.

Ten Earthworms (*Perichæta*) from Celebes; purchased.

The type of a new Gephyrean, *Phymosoma weldoni,* from the Bahamas; presented by A. E. Shipley, Esq.

Echinoderma.—The following are the most important of the eighty-four specimens added to this class :—

Thirty-six specimens from Marseilles; presented by Prof. Vayssière.

Twenty-six deep-sea specimens from the Bay of Biscay; received in exchange from Prof. Koehler.

A *Strongylocentrotus drobachiensis,* from Spitzbergen; presented by Dr. J. W. Gregory.

Anthozoa.—

Anthozoa.—Twenty-five specimens were added to this class. The following may be mentioned:—

A fine mass of *Lophohelia prolifera*, dried, and of *Paragorgia arborea* in spirit, from Norway; purchased.

A specimen of *Isis hippuris* from the Nicobar Islands; presented by H. G. Batten, Esq.

Hydrozoa.—Only twenty-four examples were acquired.

Porifera.—Two hundred and sixty-three sponges and microscopic slides of sponges were added to the collection. The following are the more important acquisitions:—

One hundred and sixty-three slides prepared from Sponges from the Adriatic, described by Dr. R. V. Lendenfeld; purchased

Nine well-preserved specimens of the Common bath-sponge from Ægina, collected by R. Kirkpatrick, Esq.

Six fine Hexactinellid Sponges from Japan; purchased.

Protozoa.—One hundred and sixty-seven specimens were added to this class. The most notable addition to the collection is the following:—

A collection of ninety-three slides of Foraminifera, presented by Prof. Williamson. The collection formed part of a type collection of British Foraminifera, described in Prof. Williamson's Monograph of the group published by the Ray Society.

VI.—*Visitors and Students.*

Seven thousand nine hundred and ninety-five visits have been paid to the Department by persons who have required attendance or assistance, as compared with—

8,189	in the year	1895.
10,730	,,	1894.
10,872	,,	1893.
10,932	,,	1892.
9,443	,,	1891.
9,034	,,	1890.
8,360	,,	1889.
8,797	,,	1888.
8,955	,,	1887.
8,372	,,	1886.

W. H. Flower,
Acting Keeper.

DEPARTMENT OF GEOLOGY.

I.—*Arrangement.*

A.—Vertebrata.

Fossil Mammalia (Gallery 1).—A number of Vertebrate remains from the Tor-Bryan Cavern, near Newton Abbot, Devon, have been mounted and arranged in Wall-case 2.

The skulls of various extinct carnivores have been mounted on stands, re-labelled, and arranged in Wall-case 3. The entire series of remains of fossil Rhinoceros exhibited in Wall-case 8 has been re-mounted and re-labelled; and a fine set of bones of *Titanotherium*, from the Oligocene of North America, has been added.

In Table-case 5, specimens of the skull and feet of *Mesohippus* have been mounted and labelled.

In Wall-case 13, the skull and feet of *Poebrotherium*, an ancestor of the camels, have been mounted and labelled, and added to the exhibited series.

Bovidæ.—The specimens in Wall-cases 16 and 18 have been partially re-arranged, and in the latter case a fine skull of *Bos primigenius* from Twickenham (presented by Dr. J. R. Leeson, F.G.S.) has been placed for exhibition.

In the Pavilion (Gallery No. 2.)—Two new Window-recess-cases have been added. In one of these are exhibited an interesting series of recently-acquired remains of various Edentates from Argentina, which have been mounted and labelled. In the other case are shown the remains of small Marsupials, including some interesting specimens from South America recently presented by Señor F. Ameghino; also a small series of Mesozoic Mammals.

The total number of Fossil Mammalia registered during the past year was 501.

Aves (Gallery 2).—A very fine collection of fossil bird-remains, from Patagonia, is exhibited in a separate Table-case near the centre of the Pavilion. This collection is one of the most important additions that has been acquired by the Trustees for many years. It includes the types of most of the species of the gigantic extinct forms, so-called *Stereornithes*. The lower jaw of one of the largest *Phororhacos longissimus* is exhibited; it measures about 20 inches in length. A life-size model of the skull of this gigantic bird has been executed by C. Barlow, and is placed in a separate glazed case near the original specimens. The complete skull and mandible of a somewhat smaller species, *Phororhacos inflatus*,

inflatus, and most of the bones of the skeleton are here exhibited. The skull shows the remarkable characters of the beak, which is hooked, like that of a bird of prey, but is, at the same time, very deep and compressed. There are also numerous bones of small extinct Carinatæ from South America.

The remains of various Carinate birds from the Chatham Islands, from New Zealand, and Mauritius, have been mounted afresh and re-arranged in a new Window-recess-case in this Gallery.

A new and very complete skeleton of *Dinornis maximus* has been mounted in Glass-case R. It was obtained from Invercargill, New Zealand.

Wall-case 24 (*Dinornithidæ*), has also been re-arranged.

The skeleton of *Aptornis defossor* (Owen), from New Zealand, has been mounted on a stand in a separate glass case on the north side of the Gallery.

Number of Avian specimens registered, 282.

Reptilia (Galleries 3, 4 and 5.)—In Wall-case 2, a cast of the skull of the type-specimen of *Teleidosaurus Calvadosi* has been mounted.

In Wall-case 6, a number of specimens have been mounted, preparatory to the complete re-arrangement of the case.

In Wall-case 10, a number of portions of the skeletons of various Plesiosaurs from the Oxford Clay (part of the Leeds collection) have been mounted and exhibited, including a very fine skull of *Pliosaurus ferox*.

Wall-case 13 has been partly re-arranged.

The specimens of *Hypsilophodon Foxii* (Huxley), have been mounted, and are exhibited in a separate glazed case.

A skeleton of a recent Tortoise (*Testudo pardalis*), placed for comparison with the fossil forms, is shown in Wall-case 11.

The total number of fossil Reptilia registered is 200.

Fossil Fishes (Gallery 6.)—Five additional small Table-cases, lettered D to H, have been placed in the centre of this Gallery, and all the more problematical early Palæozoic fishes have now been removed from the regular series of Table-cases and arranged in the central row.

The Acanthodians and small specimens of Arthrodira placed here have been re-tableted and re-labelled in accordance with the published Catalogue.

The teeth of *Carcharodon*, in Table-case 26, have been re-arranged and re-labelled, and various recent acquisitions have been added thereto.

The roofs of Wall-cases X. to XIII. have been glazed, and provided with fittings for the adequate exhibition of the large specimens of Mesozoic Ganoids, which have been arranged in accordance with the published Catalogue of Fossil Fishes.

A large number of these specimens have been framed for their better preservation, and the work is still in progress.

The Cretaceous physostomous fishes, and some of those from the Eocene, have been examined in detail during the preparation of the Catalogue, and the revision has involved a partial re-arrangement of Wall-cases XV. and XVI., and Table-cases 49-51, which will be completed as soon as the part of the Catalogue relating to them is in type.

All acquisitions during the year have been registered and incorporated in the collection.

The total number of fossil Fishes registered was 1,269.

B.—Invertebrata.

Mollusca.—Cephalopoda (Gallery 7.)—A drawing of *Palæoctopus Newboldi* has been placed in Wall-case 1, and an example of *Coccoteuthis hastiformis* has been mounted on a tablet, with an illustrative figure, and added to the same case.

Some examples of recent Cephalopoda have been placed in Wall-case No. 1A, to illustrate the fossil forms.

In Wall-case 14, twelve Oolitic *Belemnites* have been mounted and exhibited, and nine specimens of *Acanthoteuthis* and 100 Belemnites have been mounted and labelled in Table-case 58.

Two Cretaceous *Nautili* have been mounted and labelled, and added to Wall-case 2, and one *Nautilus* to Table-case 59.

Four *Baculites*, six *Scaphites*, and four Cretaceous *Aptychi* have been labelled and mounted in Table-cases 60-62.

In Table-case 63 three Cretaceous *Ammonites*, and three *Aptychi*, have been mounted on tablets and incorporated, and eleven Devonian *Goniatites* in Table-case 70.

The labelling of the specimens in the drawers of Gallery 7 has been completed.

The acquisitions for the year, after being registered and labelled, have been incorporated in the collection.

The number of Cephalopoda registered in 1896 was 1,051.

Mollusca.—Gasteropoda, Lamellibranchiata, etc. (Gallery 8.)—Some additions have been made to the British Post-Pliocene (non-marine) Mollusca from the Lea Valley, presented by Dr. F. Corner, and by a small series of specimens from the Happaway Cave, Torquay, presented by Mrs. Pengelly. *See* Table-case 104A.

Rather more than 1,100 specimens of Mollusca from the Suffolk Crag (part of the Robert Bell Collection) have been carefully determined and labelled, and placed in glass-topped boxes in Table-case 103A, in the centre of Gallery 8.

Upwards of 2,600 Foreign Tertiary Gasteropoda, from the Italian Miocene and Pliocene formations, and from the Eocene, Miocene and Post-Pliocene deposits of Australia, New Zealand, &c.,

&c., have been determined, and the major part mounted upon tablets and arranged in Wall-cases 1 and 2.

The revision of the British Lower Tertiary *Pleurotomæ* has been commenced.

A very large number of fossil Mollusca from various formations (together with Brachiopoda, Corals, &c.) have been transferred from the Zoological Department. These have been carefully examined and assorted, and, as far as desirable incorporated in their proper places in the collection; whilst the remainder have been placed with the duplicates for distribution.

Brachiopoda.—A collection of 1,825 specimens of fossil Brachiopods, representing some 500 species, from various formations and localities, transferred from the Zoological Department, have been named and registered. (Several of these proved to be "types" which had been figured and described by Sowerby and Phillips).

One hundred and sixty-one specimens have been added from the "Pengelly Collection," of which twenty-five proved to be "type-specimens" figured by Davidson, and have been placed with the Davidson Collection of Brachiopoda. A small collection obtained by purchase from the Rev. P. B. Brodie contained three of Davidson's type specimens. These have all been carefully marked and labelled. Other collections registered and incorporated are—A collection of Brachiopoda from the Permian of Sunderland; a small collection from the middle *Productus* Limestone of the Salt Range, India, presented by F. G. Brook-Fox, Esq.; a large collection of Palæozoic Brachiopoda from North America.

Twenty additional genera have been added to the series exhibited in Wall-cases 10 and 11, as well as examples from the Mesozoic and Cainozoic periods not heretofore represented in the cases.

The Davidson Collection of Brachiopoda is still under arrangement. During the past year the whole of the recent examples have been mounted in glass-topped boxes labelled and registered, and are now arranged in the Table-cases and drawers beneath them with the fossil forms (Table-cases 13–15, Gallery 11).

Bryozoa (Gallery 8). The whole exhibition series of Jurassic Bryozoa have been mounted with enlarged drawings in glass-topped boxes in Table-case 86A in the centre of the Gallery; also a selection of the Cretaceous specimens.

The "Shrubsole Collection" of Palæozoic Bryozoa, acquired during the past year, has been carefully examined, and the series selected to be retained has been registered, mounted and exhibited in Table-case 86B in the centre of the Gallery. The collection includes the types described by Mr. Shrubsole. Specimens registered during the past year, 1257.

Insecta. The Fossil Insects in Table-case 85 have been re-tableted and arranged, and many additional specimens mounted and added to the series exhibited.

Crustacea. The entire series of British Fossil Crustacea have been arranged and a large proportion remounted on tablets, named and labelled.

Crustacea and *Insecta* registered during the year, 471.

Annelida registered in the past year, 321.

Echinoidea and *Asteroidea* registered in the year, 351.

Crinoidea, Cystidea, Blastoidea. The only additions to the exhibited series have been specimens of the rare Cretaceous fossil *Uintacrinus socialis*, of which a carefully restored figure has been exhibited between Wall-cases 16 and 17, under glass. Restored drawings of a Silurian Crinoid, a Cystid, and a Blastoid have been made from careful studies of the best obtainable specimens for the exhibition cases.

Crinoidea, &c., registered during the year, 133.

Actinozoa (Gallery 10). Specimens registered and incorporated with the Collection in 1896, 351.

Radiolaria. In Table-case 15 a number of specimens of Radiolarian chert from Dumfriesshire and North Devon.

Drawings and models of Radiolaria have also been added to the exhibited series.

The number of Protozoa and Porifera registered in the past year was 333.

C.—Plantæ.

Wealden Plants. (Table-cases 21 and 22, Gallery 10).

The fine series of British Wealden Cycadeæ and Coniferæ (mostly from the "Rufford Collection") from Hastings, Sussex, has been mounted, named and arranged in the Table-cases and drawers beneath them in accordance with Mr. A. C. Seward's Catalogue of Wealden Plants, Part II.

A very large Cycadean stem, obtained from the Purbeck beds of the Isle of Portland (nearly 4 feet in height), has been placed for exhibition between Wall-cases 13 and 14. This is the finest example of a Cycad hitherto obtained. It has been figured and described by Mr. A. C. Seward (Quart. Journ. Geol. Soc., Vol. liii. p. 22, pls. I-V.) under the name of *Cycadeoidea gigantea.*

D.—Geological and Stratigraphical Series (Gallery 11).

A series of small maps coloured and designed to show the exposed area of each geological formation, also numerous sections of strata observed in different parts of England, have been added to the stratigraphical collection by Mr. Etheridge.

Three

Three cores from the Dover Boring for Coal have been placed on a permanent pedestal between Wall-cases 3 and 4. Presented by Francis Brady, Esq., Memb. Inst. C.E. and F.G.S. Also a core of new Red Sandstone from the Newent boring for water for the supply of the City of Gloucester. Presented by R. Reade, Esq., C.E.

Deep-sea Deposits. In a Table-case, near the centre of Gallery 10, has been temporarily placed a large series of deep-sea deposits obtained during the Cruise of H.M.S. "Challenger," which have been examined and described by Dr. John Murray, F.R.S., and the Rev. A. F. Renard. They consist of nodules of manganese associated with bones and teeth of fishes and Cetacea; also a large series of Foraminifera obtained when dredging in the abysses of the Atlantic and Pacific Oceans.

II.—*Department Geological Library* (*Gallery* 9).

During the year 1896 the accessions to the Library, and to the collection of British and Foreign Geological Maps, have been stamped, and catalogue-slips written.

Accessions to the Library and Map Collection.	By Donation.	By Purchase.	Total.
New Books - - - - -	111	132	243
Continuations - - - -	207	351	558
Maps - - - - - -	31	216	247
TOTAL - - -	349	699	1,048

The number of New Slips written was 3,019
" " Volumes bound " 69

The new press-marking of the Serials has been completed. All the separate works in the Library have been examined, re-arranged, and re-press-marked.

III.—*Preparation of Catalogues.*

"A Catalogue of the Fossil Bryozoa" (Part I), "The Jurassic Bryozoa," by J. W. Gregory, D.Sc., F.G.S., etc., commenced in 1895, was issued in May, 1896, pp. 270, with 11 plates, and 22 illustrations in the text.

The Catalogue of Fossil Fishes (Part IV.) is now in preparation.

Part III. of the Catalogue of the Fossil Cephalopoda has been completed in MS., and illustrations are now being prepared for the same.

The MS. list of the types and figured specimens of Fossil Cephalopoda contained in the collection has now been completed. They number 921.

The "Catalogue of the Tertiary Mollusca in the British Museum: Part I. Australasia," by G. F. Harris, F.G.S., is progressing towards completion; 224 pp. have been set up in type, and eight sheets passed for press; most of the plates are also executed. It is hoped that Part I. will be ready in March, 1897.

Mr. A. C. Seward is preparing MS. for Part III. of the Fossil Secondary Plants (Jurassic), but none of the matter is at present in the printer's hands.

A Guide to the Invertebrata, to the Fossil Plants, and Historical Collections, is prepared and printed, and will be very shortly published.

IV.—*Separate Papers and Memoirs bearing upon the Collection: published in* 1896.

The following Papers and Memoirs have been prepared by members of the staff and by other scientific workers in the Department, and relate to specimens forming part of the Geological Collection, which have been described and figured in various works during the past year:—

By C. W. Andrews, B.A., B.Sc., F.G.S.

1. On a skull of *Orycteropus Gaudryi* (Forsyth-Major) from Samos. (Proc. Zool. Soc., 1896, p. 296.)

2. On the pelvis of *Cryptoclidus oxoniensis* (Phillips). (Geol. Mag., 1896, p. 145.)

3. Note on the skeleton of *Aptornis defossor* (from New Zealand). (Geol. Mag., 1896, p. 241, pl. x.)

4. On the skeleton of *Diaphorapteryx Hawkinsii* (Forbes), a large extinct rail from the Chatham Islands. (Geol. Mag., 1896, p. 337, pl. xii.)

5. On the structure of the Plesiosaurian skull. [1896.] (Quart. Journ. Geol. Soc., vol. 52, p. 246, pl. ix.)

6. On the skull, sternum, and shoulder-girdle of *Æpyornis*. ("Ibis," 1896, p. 376.)

By Arthur Smith Woodward, F.L.S., F.G.S., F.Z.S.

7. On some remains of the Pycnodont Fish, *Mesturus*, from the Oxford Clay of Peterborough. (Ann. and Mag. Nat. Hist. [6], vol. xvii., pp. 1–15, pls. i.–iii., 1896.)

8. On

1. On the quadrate bone of a Gigantic Pterodactyl, from the Cretaceous of Bahia, Brazil. (*Ibid.*, pp. 255–257, woodcut.)

9. Note on the affinities of the English Wealden Fish-Fauna. (Geol. Mag. 1896, [4], vol. iii., pp. 69–71.)

10. On some extinct Fishes of the Teleostean Family, *Gonorhynchidæ*. (Proc. Zool. Soc., 1896, p. 500, pl. xviii., 1896.)

11. On the Fossil Fishes of the Upper Lias of Whitby: Part I. (Proc. Yorks. Geol. and Polyt. Soc., vol. xiii., pp. 25–42, pls. iii.–v., 1896.)

12. Notes on the Collection of Fossil Fishes from the Upper Lias of Ilminster, in the Bath Museum. (Proc. Bath Nat. Hist. Field-Club, vol. viii., pp. 233–242, 1896.)

By G. C. Crick, Assoc. R.S.M., F.G.S.

13. Notes on some Fragments of Belemnites from Somaliland. (Geol. Mag., pp. 296–298, 1896.)

14. On *Goniatites evolutus* (Phillips), and *Nautilus elongatus* (Phillips), &c. (*Ibid.*, pp. 413–419, 1896.)

15. On a specimen of *Coccoteuthis hastiformis*, Rupp. sp., from the Lithographic Stone, &c. (*Ibid.*, pp. 439–443, pl. xiv., 1896.)

16. On the pro-ostracum of a Belemnite from the Upper Lias of Alderton, Gloucestershire. (Proc. Malacol. Soc., vol. ii., p. 117, pl. ix., 1896.)

By Henry Woodward, LL.D., F.R.S., F.G.S.

17. On a fossil *Octopus* (*Calais Newboldi*, Sby. MS.) from the Cretaceous of the Lebanon. (Quart. Journ. Geol. Soc., vol. lii., p. 229, pl. vi., 1896.)

By R. Bullen Newton, F.G.S.

18. On the occurrence of *Alectryonia ungulata* in S.E. Africa, &c. (Journ. of Conchology, 1896, vol. viii., pp. 136–151.)

19. On the identification of the zones of *Acanthoceras mammillatum* and of *Hoplites interruptus* at Okeford Fitzpaine, Dorset. (Geol. Mag., 1896, pp. 198–201.)

20. On the occurrence of *Parallelodon Egertonianus* (an Indian Jurassic shell) in Somaliland, E. Africa. (Geol. Mag, 1896, pp. 294–295)

21. On the occurrence of Nummulitic Limestone in South-Eastern Africa. (Geol. Mag., 1896, pp. 487–488.)

By Philip Lake, M.A., F.G.S.

22. The British Silurian Species of *Acidaspis*. (Quart. Journ. Geol. Soc., vol. lii., pp. 235–245, pls. vii. and viii., 1896.)

By F. A. Bather, M.A., F.G.S.

23. *Brachyocrinus* and *Herpetocrinus*. (Amer. Geologist, vol. xvi., pp. 213–217.)

24. *Nerocrinus Salopiæ*, n. sp , and another Crinoid, from the Middle Ordovician of West Shropshire. (Geol. Mag., Dec. iv., vol. ii., pp. 71–75.)

25. "The Term 'Syzygy' in the Descriptions of Crinoids." (Zool. Anzeiger, xix., pp. 57–61.)

26. *Uintacrinus*, a Morphological Study. (Proc. Zool. Soc., pp. 974–1004, pl. liv.–lvi, 1896.)

27. The search for *Uintacrinus* in England and Westphalia. (Geol. Mag., Dec. iv., vol. iii., p. 443, 1896.)

By A. C. Seward, M.A., F.G.S.

28. On *Cycadeoidea gigantea*, a new Cycadean stem from the Purbeck Beds of Portland. (Novr. 18, 1896.) (Quart. Journ. Geol. Soc., vol. liii., pp. 22-39, pls. i–iv.)

V.—*Work of the Mason-Formatore and Assistant-Mason.*

Making numerous moulds, and preparing and colouring casts of various fossils for exchanges with other Museums and for exhibition purposes in the Geological and Zoological Departments.

Restoring and mounting the feet-bones of *Poebrotherium*.

Mounting skull of *Lepidotus* (part of the Leeds Collection).

Restoring missing parts in Plesiosaurian skeletons.

Packing and removing the "Pengelly Collection" from Torquay.

Packing and removing the "Slatter Collection" from Evesham.

Making a model of the skull of *Phororhacos longissimus*.

Restoring cranium and modelling mandible of *Thylacoleo carnifex* (Owen).

Fitting together pieces and restoring missing parts, and making ironwork for newly-acquired skeleton of *Dinornis maximus*, and setting up same in case.

Developing skull and pelvis of *Phororhacos*.

Developing and mending Mammalian remains from Olivola (part of the Forsyth-Major Collection).

Reducing, repairing, and imbedding numerous Liassic and other Fishes for Gallery VI., and developing and mending Mammalian and Reptilian bones.

Developing and repairing Cephalopoda, &c., for Gallery VII.

Reducing specimens and making sections of Fossil Corals, Nummulitic Limestones, and Radiolarian Cherts for cases in Gallery X. Also polished sections of Fossil Plants.

A dental

A dental engine has been procured with proper brushes, and it has been found very convenient for developing minute organisms and structures in fossils, as Chalk Bryozoa, various Brachiopoda and Echinodermata.

VI.—*Printing Labels.*

The preparation and printing of labels has been continued in the Department, not only for the Palæontological Collections and for the Introductory series in the Central Hall, but also for the Mammalian Gallery now under rearrangement.

For the Introductory series in the Central Hall, 184 descriptive labels and 449 general labels have been composed, and 4,353 copies struck off.

For the Mammalian Gallery, Department of Zoology, 238 descriptive labels and 141 general labels have been composed, and 2,144 copies struck off.

For the Fossil Mammalia, Aves, and Reptilia, twelve descriptive labels and 303 general labels have been composed, and 2,331 copies struck off.

For the Fossil Fishes 10 descriptive and 542 general labels have been composed, and 3,635 copies struck off.

For the Invertebrata and General Collections two descriptive and 194 general labels have been set up, and 3,269 copies have been struck off.

The total number of labels composed during the year has been as follows :—

Long descriptive labels	- -	446	
General (shorter) labels	- -	1,629	
		———	2,075

Total number of copies printed off, 15,732.

VII.—*Acquisitions.* 1.—*By Donation.* A.—Vertebrata.

1. *Mammalia.*—One astragalus of *Megatherium* from the Cretaceous of Bahia, Brazil. Presented by Joseph Mawson, Esq., F.G.S.

One tooth of *Astrapotherium* from the Santa Cruz Beds, Patagonia. Presented by R. Lydekker, Esq., F.R.S., F.G.S.

A series of small Mammalia, from the Brick-earth at Erith, comprising *Spermophilus erythrogenoides, Microtus (Arvicola) gregalis, M. ratticeps,* &c. Presented by F. C. J. Spurrell, Esq., F.G.S.

Two associated Molar Teeth of *Hyopotamus bovinus,* from the Hempstead Beds, Bouldnor, Isle of Wight. Presented by F. C. Spray, Esq.

A Molar Tooth and part of Tibia of Mammoth *Elephas primigenius,* dredged up in making enlargement of Portsmouth Harbour. Presented by Major G. H. Exham, R.E.

A slender Tusk of Mammoth and one Molar Tooth, from Belvedere, Erith. Presented by Mrs. Griffith.

A large series of Mammalian remains, collected by the late William Pengelly, Esq., F.R.S., in Happaway Cavern, Torquay, numbering one hundred and eighty bones, comprising *Meles taxus, Mustela vulgaris, M. putorius, Ursus, Hyæna, Felis catus, F. lynx, Canis vulpes, Erinaceus europaeus, Talpa vulgaris, Sorex vulgaris, Microtus amphibius, Lepus,* and *Lagomys pusillus.* Fossil remains of *Rhinoceros, Bos, Cervus capreolus, Sus scrofa,* etc., part of the late W. Pengelly's collection. Presented by Mrs. Pengelly.

Remains of small Mammals from the bone-breccia near the Wombeyan Caves, New South Wales, representing *Burramys, Palæopetaurus, Dromicia, Pseudochirus* and *Perameles* (1 specimen figured in Proc. Linn. Soc., N.S.W., vol. xxi., 1896, pl. viii., fig. 2). Presented by Dr. R. Broom.

Casts of the right and left ramus of the lower jaw of *Amphitherium Prevostii,* and of *A. Oweni,* from the Stonesfield Slate. Presented by Professor E. R. Lankester, F.R.S.

A skull and horn-cores of *Bos primigenius,* also atlas, radius, and ulna of same, and an imperfect humerus of *Rhinoceros.* Presented by Dr. J. R. Leeson, F.L.S., F.G.S.

Mandibular ramus and teeth of *Microtus ratticeps,* also maxilla and mandibular ramus of another closely allied species of *Microtus,* from the Brick-earth, Erith. Presented by A. Souter Kennard, Esq.

A tooth of *Tapirus,* from the Tertiary Phosphates, Peace River, South Carolina. Presented by the Rev. R. Ashington Bullen, M.A., F.G.S.

2. *Aves.*—Portion of the ulna of a large Vulture, probably the extinct *Gyps melitensis,* from the Cave deposits at Gibraltar. Presented by H. E. the Governor of Gibraltar, General Sir Robert Biddulph, G.C.M.G., K.C.B., R.A.

A number of limb-bones of *Dinornis, Emeus, Anomalopteryx,* also numerous phalanges and part of a cranium of *Cnemiornis.* Presented by Edward Gibson, Esq.

A series of forty bird bones, including *Puffinus, Falco, Corvus, Lagopus,* from the Happaway Cave, Torquay. Presented by Mrs. Pengelly.

3. *Reptilia.*—A quadrate bone of Pterodactyl and other fragments, also an astragalus of *Megatherium* from Bahia, Brazil. Presented by Joseph Mawson, Esq., F.G.S.

A series of remains of Amphibia, referable to the genera *Hylonomus, Hylerpeton, Smilerpeton, Dendrerpeton,* and including portions of the skin and coprolites, from the South Joggins Coal-field, Nova Scotia. Presented by Sir William Dawson, C.M.G., LL.D., F.R.S., F.G.S.

4. *Pisces.*—

4. *Pisces.*—Three specimens of *Diplomystus longicostatus*, and one Head-bone of *Lepidotus Mawsoni*, from the Cretaceous of Bahia, Brazil. Presented by Joseph Mawson, Esq., F.G.S.

Seven specimens of *Palæospondylus Gunni*, and one Ichthyolite, from the Old Red Sandstone, Achanarras, Caithness. Presented by James Reid, Esq.

Four scapulo-coracoids of *Protosphyræna*, from the Greensand, Cambridge. Presented by Professor T. W. Bridge, M.A., D.Sc.

Fifteen teeth of fishes *(Hybodus, Lepidotus*, etc.), and three scales of *Lepidotus*, from the Lower Greensand, Godalming. Presented by A. K. Coomara Swamy, Esq.

Two *Dipterus Valenciennesi*, two *Osteolepis microlepidotus*, one *Holoptychius paucidens*, one *Cheiracanthus Murchisoni*, and three *Palæospondylus Gunni*, from the Old Red Sandstone of Caithness. Presented by James Reid, Esq.

A specimen of *Psammodus*, from the Carboniferous Limestone, Stainton Quarry, Furness, Lancashire. Presented by J. W. Lawn, Esq.

One angular bone of *Polyplocodus*, from the Upper Old Red Sandstone, King's Steps, Nairn. Presented by Dr. R. H. Traquair, F.R.S.

One specimen of *Diplodus*, two Palæoniscid scales, &c., from the Coal Shale, near Cardonald Station, Glasgow. Presented by C. E. Stromeyer, Esq.

Seven Sharks' teeth, family *Lamnidæ*, from Lower Eocene, from Ayot St. Peter's, Herts. Presented by G. T. Morgan, Esq.

Numerous teeth of *Odontaspis, Otodus, Notidanus*, and other sharks, from the phosphatic deposits of Peace River, South Carolina, and also teeth of *Odontaspis*, from the Algerian Phosphates. Presented by Messrs. Prentice Brothers, Phosphate Works, Stowmarket.

Part of the dentary plate of *Myliobatis Dixoni*, with parts of five rows of teeth, from Tertiary Beds below the Gravel Cliff at Gosport. Presented by Sir John Charles Robinson.

A fish spine, from the Wealden Beds, Fairlight, near Hastings. Presented by P. Rufford, Esq.

The Prestwich Collection.

Summary of Fossils contained in six cabinets, part of the collection of the late Sir Joseph Prestwich, M.A., D.C.L., F.R.S., F.C.S., F.G.S., of Darent Hulme, near Shoreham, Sevenoaks, Kent. Presented by Lady Prestwich.

Numerous remains of Pleistocene Mammalia, as *Elephas, Equus, Rhinoceros*, &c., from Clapton, Ilford, Salisbury, Cefn Cave, Banwell Cave, Fenny Stratford, Hempstead (Isle of Wight), and Mundesley; from Soissons, Guynes, Denmark,

Abbeville, Amiens, St. Acheul, &c.; also remains of *Castor europæus*, from near Rome.

Fossil egg and fish-bones from Monte Dore, and one fish from the Auvergne.

Tertiary shells from Burton, Bognor, Finchley, Herne Bay, Highgate, Hornsey, Hendon Hill, Isle of Wight, Lyndhurst, Primrose Hill, Sheppey, Southend, Whitecliff Bay, and Woolwich.

Foreign Tertiary shells from Antwerp, &c., Belgium; from Le Mans, Hauteville, St. Sauveur, Grignon, Meudon, Damery, Epernay, Touraine, Bordeaux, &c.; from Mainz; from near Vienna (*Congeria*-kalk); and from Monte Mario, Rome.

Upper Greensand fossils, Shaftesbury and Blackdown.

Gault fossils, Folkestone and Sevenoaks.

Lower Greensand fossils, from Leighton Buzzard and Bedford, &c.

Carboniferous fossils, Coalbrook-dale, and Belgium. Silurian fossils, Wenlock.

Fossils from "Raised Beaches," Baggy Point, Westward Ho, and Portland, and cores from Harwich, Kentish Town, and Crossness Well-borings.

A large series of flint implements, all localised; also a series of high-level drift implements from Ightham, &c. (part of Sir J. Prewdsch's collection). Presented by Lady Prestwich.

B.—Invertebrata.

(*a.*) *Mollusca.*—Twelve specimens of *Littorina littorea* and *L. rudis* from the Post-Tertiary deposits at Portslade, near Brighton. Presented by Colonel Wilmer.

A specimen of *Ampullina grossa*, from the Upper Eocene, Barton, Hampshire. Presented by William Preston, Esq.

Three Cephalopoda, five Gasteropoda, three Lamellibranchiata, &c., from the Salt Range, India. Presented by F. G. Brook-Fox, Esq.

A series of Quaternary Mollusca, embracing one hundred and twenty Gasteropoda, and one Lamellibranchiata from the Rubble Drift of the Isle of Portland, and forty-seven Gasteropoda from the Rubble Drift of Sangatte, coast of France. Presented by the Rev. R. Ashington Bullen, F.G.S.

Ten species of Mollusca, *Arca antiquata, Diplodonta rotundata, Corbula gibba, Natica catena, Cassidaria echinophora, Nassa costulata, N. turbinellus, Bulla utriculus, B. ovulata, Ringicula buccinea*, determined by the late Dr. Gwyn Jeffreys, and referred to in the Q. J. G. S., 1884, vol. 20, p. 859, from the Lower Pliocene of North Italy. Presented by Lieutenant Colonel Godwin-Austen, F.R.S., F.G.S.

A specimen of *Bactrites Budesheimensis*, and other specimens, from the Upper Devonian, Vorder-Eifel, Germany. Presented by R. Bullen Newton, Esq.

Seventy

Seventy-four Gault Mollusca from Okeford-Fitzpaine, Dorset. Presented by Miss Lowndes.

Valve of a *Pecten* in Tertiary Limestone, part of the Temple of Dre-el-Bahan, Upper Egypt. Presented by Howard Carter, Esq.

Fifty-two Cephalopoda, fifty Gasteropoda, and five Lamellibranchiata, from various formations and localities; also one hundred and fifteen Post-Pliocene Gasteropoda, from Happaway Cave, Torquay, collected by the late William Pengelly, Esq., F.R.S. Presented by Mrs. Pengelly.

One hundred and thirty Gasteropoda and thirty-five Lamellibranchiata (non-marine) from the Post-Pliocene of Lea Marshes, Ilford. Presented by Dr. Frank Corner, F.G.S.

Nineteen specimens from various localities, including *Ostrea bellovacina*, Woolwich Beds, Kent, and a very perfect specimen of *Voluta luctatrix*, Eocene, Barton. Presented by Mrs. Ilott.

Eight specimens of *Belemnitella lanceolata*, fifteen *Actinocamax quadratus*, and four *Aptychus leptophyllus*, from the Upper Chalk, East Harnham, Salisbury. Presented by Dr. H. P. Blackmore, F.G.S.

Nine *Goniatites* from the Carboniferous Limestone of Castleton, Derbyshire. Presented by J. Barnes, Esq., F.G.S.

Five Cephalopoda, twenty-two Lamellibranchiata, and five other specimens. Presented by Spencer George Perceval, Esq.

(*b.*) *Brachiopoda.*—Seventy-three Brachiopoda from the Salt Range, India. Presented by F. G. Brook-Fox, Esq.

Three *Productus* from the Carboniferous Limestone, Stainton Quarry, Furness, Lancashire. Presented by J. W. Lawn, Esq.

One hundred and twenty Brachiopods, from various formations and localities, part of the collection of the late William Pengelly, F.R.S. Presented by Mrs. Pengelly.

Three specimens of *Orthis budleighensis*, two of *O. scotica*, one *O. calligramma*, and one *Strophomena grandis*, from the Ordovician of Great Peraver, Gorran, Cornwall. Presented by J. H. Collins, Esq.

(*c.*) *Bryozoa.*—A collection of four hundred and sixty specimens of Palæozoic Bryozoa, made by the late George William Shrubsole, Esq. Presented by George Shrubsole, Esq. (his son).

(*d.*) *Insecta and Crustacea.*—Two specimens of *Phillipsia*, from the Carboniferous Limestone, Stainton Quarry, Furness, Lancashire. Presented by J. W. Lawn, Esq.

Five glass tubes, containing specimens of Ostracoda (*Bairdia, Cytherella*, &c.), from the Eocene of Hungary. Presented by C. Davies Sherborn, Esq., F.G.S.

Forty-three Devonian Trilobites, comprising *Phacops, Bronteus, Trimerocephalus*, &c., from various localities, collected

lected by the late William Pengelly, Esq., F.R.S. Presented by Mrs. Pengelly.

Two specimens of *Emmelezoe Lindstroemi* (Jones), from the Wenlock Series, Lau, Isle of Gothland (figured in Geol. Mag. 1895; Pl. xv., figs. 2 *a*—*d*). Presented by Professor T. Rupert Jones, F.R.S.

A specimen of *Proetus, sp. nov.*, Caradoc, near Horderley, and one *Eosphæroma*, from the Oligocene, Isle of Wight. Presented by the Rev. P. B. Brodie, M.A., F.G.S.

Nineteen remains of Trilobites, &c., from the Culm, Codden Hill, near Barnstaple. Presented by Joseph G. Hambling, Esq.

Head-shield and pygidium of *Brachymetopus Ouralicus*, and three portions of *Griffithides*, sp., from the Carboniferous Limestone of Newmarket, near Prestatyn, Flintshire. Presented by W. J. Harrison, Esq., Jun.

Two Trilobites, from the Llandeilo (?) beds, from near Field, Mount Stephen, British Columbia. Presented by George de Wolf, Esq., F.G.S.

Twenty-one Phyllopod valves and telsons, contained in Nodules, belonging to the genera *Dictyocaris* and *Ceratiocaris*, from the Silurian rocks of Muirkirk, Lesmahago. Presented by James Thomson, Esq., F.G.S.

(*e*) *Echinodermata.*—Five plaster casts of the type specimens of *Petalocrinus mirabilis*, from the Niagara Limestone. Presented by Stuart Welber, Esq.

Eighteen calyces of Carboniferous Crinoidea, from various British localities. Presented by the President and Council of the Geologists' Association.

Thirty-nine Devonian Crinoids, from the collection of the late William Pengelly, Esq., F.R.S. Presented by Mrs. Pengelly.

(*f*) *Actinozoa.*—Twelve specimens of Coral, from the Carboniferous Limestone, Stainton Quarry, Furness, Lancashire. Presented by J. W. Lawn, Esq.

Three specimens of *Palæacis*, from the Lower Culm Measures, Hannaford Quarry, near Barnstaple (figured and described in Quart. Journ. Geol. Soc., 1896, vol. 52, p. 443, pl. xxii., Figs. 6 and 8). Presented by Dr. G. J. Hinde, F.R.S., and Howard Fox, Esq., F.G.S.

Eleven specimens of *Palæacis*, from the Carboniferous Lower Shale of the River Hodder, Stonyhurst (figured and described by Dr. Hinde, in Quart. Journ. Geol. Soc., 1896, vol. 52, p. 440, pl. xxiii.). Presented by the Rev. G. C. H. Pollen, S.J., F.G.S.

Twenty specimens of Devonian Corals, from various localities, from the collection of the late William Pengelly, Esq., F.R.S. Presented by Mrs. Pengelly.

One

One specimen of *Cyathophyllum* and one of *Cystophyllum*, from the Middle Devonian, Eifel. Presented by R. Etheridge, Esq., F.R.S.

(*g.*) *Porifera and Protozoa.*—Eight specimens of Chert, containing *Radiolaria*, from the Arenig rocks of Sanquhar, Dumfries-shire. Presented by John Horne, Esq., F.G.S.

Two specimens of Tertiary Foraminifera from South East Africa. Presented by David Draper, Esq., F.G.S.

Two Cretaceous Lithistid Sponges from the Drift gravel of Clarendon, Wilts. Presented by the Rev. P. B. Brodie, M.A., F.G.S.

C.—Plantæ.

Nineteen Cycadaceous and Coniferous plant-remains from the Wealden Beds, Farlight and Ecclesbourne, near Hastings. Presented by P. Rufford, Esq.

A specimen from London Clay, containing mineralised Diatoms from Sheppey. Presented by W. H. Shrubsole, Esq.

II.—*By Purchase.* A. Vertebrata.

1. *Mammalia.*—A tusk of *Trichecus rosmarus*, from Rosmhvalanes, Walrusness, S. W. Peninsula, Iceland.

Skull of *Mephites* from Ramath, lower jaw and bones of same, and ramus of jaw of *Canis* from Arroyo Pergamino; also jaws of *Lagostomus*, from Sanchez.

A collection of three hundred Tertiary Vertebrata, including *Titanotherium*, *Aceratherium*, *Hyracodon*, *Mesohippus*, *Oreodon*, *Pœbrotherium*, *Leptomeryx*, *Leptauchenia*, *Elotherium*, *Ancodus*, *Hoplophoneus*, *Cynodictis*, *Hyænodon*, *Eumys*, *Palæolagus*, *Agriochœrus*, from the White River Beds, Dakota.

A series of Mammalian Remains from the Drift of Evesham, Worcestershire.

2. *Aves.*—Two Tibiæ of *Æpyornis*, and other fragmentary remains, from Madagascar.

Three hundred and eighty fossil bird-remains, from the Miocene Tertiary of Santa Cruz, Patagonia, representing 17 genera, including *Phororhacos*, *Pelecyornis*, *Liornis*, *Callornis*, *Physornis*, *Lophiornis*, *Pseudolarus*, *Opisthodactylus*, &c., &c.

A skeleton of *Dinornis maximus*, from Invercargill Sand Hills, New Zealand. The bones of this skeleton all belong to one individual.

3. *Reptilia.*—Two bones of *Eosphargis gigas*, from the don Clay, Sheppey.

A specimen of *Pterodactylus elegans*, from the Lithographic Stone, Solenhofen, Bavaria.

Four specimens of Turtles from the White River Beds, Dakota.

Twelve coloured casts of Fossils from the Lausanne Museum (all figured specimens), namely, portion of carapace of *Trionyx Lorioli, T. valdensis,* and of *Cistudo Heeri;* skull, &c., of *Crocodilus buticonensis,* skeleton of *Sauranodon,* and an imperfect carapace of *Polysternon provinciale,* &c.

Seven Chelonian bones, and Pterodactyl, from the Kimeridge Clay, fifteen Labyrinthodont remains, one Dinosaurian Vertebra, and five other bones, from the Rhætic of Aust Cliff.

A series of fossil Reptilia, including skull and paddles of *Ophthalmosaurus,* two Dinosaurian limb-bones, Plesiosaurian remains, and one Pliosaurian coracoid, from the Oxford Clay, Peterborough.

Five Reptilian remains from Portland and Dudley, and a series of remains from the Drift, Evesham.

4 *Pisces.*—One hundred fossil fish-remains, *Holoptychius, Bothriolepis,* &c., from the Old Red Sandstone, Scat Craig, Elgin.

Two teeth of *Lamna* from the Chalk, one of *Helodus,* two spines of *Nemacanthus,* four teeth of *Hybodus,* and one of *Sphenonchus.*

A complete set of Clark's Casts of the Placoderms from the Upper Devonian of Ohio, comprising seven actual plates of *Dinichthys,* and thirty-six plaster casts of jaws and various plates referable to *Dinichthys intermedius; D. gracilis; D. Terrelli, D. Clarkii, Gorgonichthys Clarkii, Titanichthys Clarkii; T. rectus; Brontichthys Clarkii;* and *Coccosteus Cuyahogæ.* Many of the originals are described and figured.

One *Osteorachis,* four *Mesturus,* and one *Hybodus* from the Oxford Clay, Peterborough.

Two *Ceratodus* teeth, and three London Clay Fishes, one *Undina penicillata* and *Squatina alifera,* from the Lithographic Stone, Solenhofen, Bavaria.

One type specimen of *Cladodus rivipetrosi,* with counterpart, one specimen of *Cladodus Fyleri,* and one specimen of *Monocladodus Clarkii,* from the Upper Devonian of Ohio.

Jurassic fish-remains from the Drift, Evesham.

B.—Invertebrata.

(*a.*) *Mollusca.*—Eight Miocene Shells from Ballarat, Victoria; four *Limas,* one *Pleurotomaria,* and one *Gryphæa,* from the Lias, Manitoba; also eleven Cretaceous Shells from the White River Beds, Dakota.

A collection of Tertiary fossils from Malta, comprising six Cephalopoda, three hundred and seven Gasteropoda, and one hundred and twenty-eight Lamellibranchiata.

A collection

A collection of over one thousand Tertiary Mollusca from Australia, Tasmania &c, containing over two hundred and seventy-eight species.

Two *Phylloceras heterophyllum* from the Lias, and two other Ammonites from Stonesfield.

One Cephalopod, four hundred and seventy-six Gasteropoda, and four hundred and twenty-two Lamellibranchiata, from the Cretaceous and Jurassic formations of Mount Lebanon.

Six hundred and forty-two Cephalopoda, three hundred and twenty-five Lamellibranchiata, from the Oolite, Lias, and Rhætic beds of Worcestershire, Gloucestershire, &c.

A specimen of *Acanthoteuthis* from the Lithographic Stone, Solenhofen, Bavaria; sixty Ammonites and six other Mollusca, from the Upper Devonian, Petschora Land, and from the Carboniferous, Miatschkova, Russia.

Three hundred and thirty-three Ammonites, one hundred and eighty Gasteropods, one hundred and twenty-five Hippurites, and five hundred and fifty-seven other Lamellibranchiata, from the Senonian, Turonian, and Neocomian strata of Provence; also Bathonian, Lias, and Muschelkalk, Department Var.

(*b.*) *Brachiopoda.*—Six hundred and eighty-eight Brachiopoda, from the Cambrian, Ordovician, Devonian, of New York, Indiana, and Illinois, &c.

Forty-three Brachiopoda from the Tertiary Limestone of Malta, and one Jurassic Brachiopod from Mount Lebanon, Syria.

Twenty-five Brachiopoda from the Oolite, Lias, and Rhætic beds of Worcestershire and Gloucestershire.

Two hundred and eighty-nine Brachiopoda from the Miocene, Senonian, Turonian, Neocomian formations of Provence; and also from the Bathonian, Lias, and Muschelkalk, Department Var.

Three hundred and ninety Brachiopoda from the Carboniferous formation, Miatschkova, Russia, and from the Upper Devonian, Petschora Land, and the Governments of Ural and Woronesch.

(*c*) *Bryozoa.*—Two hundred and eighty-eight specimens of Bryozoa, from the Oolitic, Liassic, and Rhætic beds of Worcestershire and Gloucestershire.

(*d*) *Annelida.*—One hundred and ninety-seven specimens of Annelida, from the Oolite, Lias, and Rhætic formations in Worcestershire and Gloucestershire.

(*e*) *Crustacea and Insecta.*—Thirty-five Crustacea from the Tertiary Limestone of Malta.

A specimen of *Hoploparia gammaroides*, and one of *Xanthilites Bowerbankii*, from the London Clay; also *Phacops limularius* from the Niagara Beds, Ontario.

One hundred and ten specimens of Crustacea from the Oolitic, Liassic, and Rhætic beds of Worcestershire and Gloucestershire.

Six Trilobites from the Cambrian, Ordovician, and Devonian of New York, Indiana, and Illinois.

(*f*) *Echinodermata.*—A slab of Wenlock Limestone with several heads of *Gissocrinus*, from Dudley.

A specimen of *Ophioderma Egertoni*, from the Lias, Lyme Regis.

Thirty-two Echinodermata from the Jurassic and Cretaceous of Mount Lebanon, Syria.

One hundred and thirty-nine specimens of Jurassic and Cretaceous Echinoidea from France.

Sixty-six Echinodermata, from the Oolitic, Liassic, and Rhætic beds of Worcestershire and Gloucestershire.

Four hundred and thirty-five Echinodermata, from the Miocene, Senonian, Turonian, and Neocomian of Provence; also Bathonian, Lias, and Muschelkalk, Department Var.

Seventy Crinoids from the Upper Devonian of Petschora Land and the Carboniferous of Miatschkova, Russia.

A specimen of *Corymbocrinus* from the Wenlock Limestone, Dudley.

(*g*) *Actinozoa.*—Twenty-three specimens of Carboniferous Corals, *Palæacis cuneiformis, P. obtusa, P. cyclostoma*, &c., from various localities in England.

Six Corals from the Jurassic and Cretaceous formations of Mount Lebanon, Syria.

One hundred and sixty-four Corals from the Lias, Oolite, and Rhætic beds of Worcestershire and Gloucestershire.

Seventy Tertiary Corals from Malta.

Two hundred and forty-six Corals from various formations in Provence, and the Lias and Muschelkalk, Department Var. France; also six Corals from the Upper Devonian formation, Petschora Land.

(*h*) *Porifera and Protozoa.*—Two Tertiary Sponges from Malta; also twenty-five sponges from Oolitic, Liassic, and Rhætic beds from Worcestershire and Gloucestershire.

Forty specimens of Tertiary Foraminifera from Malta, two from the Lebanon, and three from Worcestershire.

Two Microscopic sections of Nummulitic Limestone, and sections of *Fusulina* Limestone.

C.—Plantæ.

A collection of two thousand one-hundred and seven sections of Carboniferous Plants, made, figured, and described by the late Professor W. C. Williamson (see Phil. Trans. Royal Society). Also one-hundred and forty-one other specimens of plants.

A series

A series of thirty-nine fossil leaves and fruit from the Tertiary beds of the Siebengebirge.

Three Plants from the Oolitic formation of Worcestershire and Gloucestershire.

The total number of specimens acquired during the past year has been as follows:—

A.—VERTEBRATA:		
By Donation - - - - -	448	
„ Purchase - - - - -	1,772	
„ Exchange - - - - -	38	
	——	2,258
B.—INVERTEBRATA:		
By Donation - - - - -	1,602	
„ Purchase - - - - -	9,671	
„ Exchange - - - - -	328	
	——	11,601
C.—PLANTÆ:		
By Donation - - - - -	19	
„ Purchase - - - - -	2,384	
	——	2,403
TOTAL Acquisitions in 1896 - -		16,262

VIII.—*Exchanges and Duplicates.*

The following exchanges, which were sanctioned by the Trustees, have been completed in the past year, viz.:—

1. A series of duplicate fragmentary Mammalian remains, representing the genera *Cervus, Bos, Capra,* &c., sent at the request of H. E. the Governor of Gibraltar, General Sir Robert Biddulph, G.C.M.G., K.C.B., who is forming a Museum for the Garrison; in exchange for a bone of the extinct Vulture (*Gyps melitensis)* from a cavern at Gibraltar.

2. A series of nine duplicate Vertebrates, and 83 Invertebrates, for the Warrington Museum (presented by the Trustees).

3. Eighty-seven duplicate fossils were sent to Professor Dr. H. Credner in exchange for a selected series of 23 specimens of *Branchiosaurus* from the Permian formation of Dresden.

4. Seventy-eight duplicate English Chalk fossils (Invertebrata) have been sent to Dr. E. Stolley, of the Kiel Museum, in exchange for 122 fossils from the Chalk of Hanover received from Dr. Stolley.

5. Fifteen small casts of English fossils, prepared and sent to Professor H. F. Osborn, American Museum of Natural History, New York, in exchange for three important casts of American fossils sent by Professor Osborn.

6. Exchange with the Oxford Museum of a duplicate specimen of *Eucalyptocrinus*, and plaster casts of two other species of Crinoids; for an interesting specimen of *Marsupites* from the Chalk of Blanford, desired for the Geological Collection.

7. Twenty-two casts of fossils requested by Robert F. Damon, Weymouth, who sends in exchange 60 selected American fossils of equal value for the Museum.

IX.—*Lectures and Demonstrations in* 1896.

On April 18th, Dr. Woodward gave a Demonstration to 30 Members of the South-place Ethical Society, Finsbury; also on October 31st, to the Members of the Tunbridge Wells Natural History and Philosophical Society, conducted by the Rev. T. R. R. Stebbing, F.R.S.

On January 11th, Mr. Arthur Smith Woodward gave a Demonstration to 12 Members of the Bow-road Polytechnic.

On March 14th, to 50 Members of the Geologists' Association.

On April 25th, to 16 Members of the Morley Memorial College.

On June 27th, to 18 Members of the London Society for the Extension of University Teaching, Upper Holloway.

On November 29th (Sunday), to 15 Members of the Borough Polytechnic Society.

On April 18th, Dr. Gregory gave a Demonstration to a Class of seven ladies and gentlemen.

On May 9th, Mr. C. W. Andrews gave a Demonstration to 24 Members of the Upper Holloway Centre for the Extension of University Teaching, Highgate Hill.

On October 24th, Mr. F. A. Bather gave a Demonstration to 45 Members of the Sutherland College, Battersea.

On October 19th and October 24th, Dr. R. H. Traquair gave Demonstrations in the Fish and Reptile Galleries to 117 persons who had attended the Swiney Lectures.

X.—Students.

The number of visits from Students and Readers who have consulted the collections and the Geological Library for the purposes of carrying on scientific work during the past year, and who have received assistance from members of the staff, was 5,923.

Henry Woodward.

Department of Geology,
20 February 1897.

Department of Mineralogy.

The Staff and its Duties.

The staff of the Mineral Department consists of the Keeper, three Assistants, four Attendants, and one Boy-Attendant. The duties are generally distributed as follows:—

Three Assistants.—To one is assigned most of the scientific and executive work relating to the collection of *mineral species;* this includes the preliminary examination of specimens submitted for purchase or exchange, the registration and incorporation of those recently acquired, the determination of the physical and geometrical characters, and the preparation of species-, variety-, and locality-labels.

To a second is assigned similar work relative to the specimens of *rocks.*

To a third is assigned the *chemical analysis* of both *minerals* and *rocks.*

Though a mineralogist can no longer satisfactorily attempt both to keep abreast of scientific knowledge and to undertake original research in more than one of the three main branches of the subject (physical, petrological, and chemical), such a sharp limitation of the work of the assistants would be contrary to the interests of the Museum; hence, as far as possible, it is arranged that each assistant has the opportunity of acquiring a general knowledge of the specimens preserved in the Department, and of thus becoming more useful than he otherwise would be during the absence of his colleagues.

During the year one of the assistantships has been vacant: Mr. G. F. Herbert Smith, B.A., formerly Scholar of New College, Oxford, has lately been appointed to fill the vacancy, and will shortly enter upon his official duties.

Four Attendants and One Boy-Attendant.—The general duties of dusting the cases in the gallery, assisting the officers in the arrangement of specimens, &c., are performed by the attendants and boy-attendant.

Further, one of the attendants is specially employed in the preparation of thin sections of minerals and rocks for examination with the microscope; a second is charged with the arrangement and cataloguing of the departmental library; a third is specially responsible for the careful packing and unpacking of specimens received at the Museum for examination, and gives assistance in the chemical laboratory. The boy-attendant is charged with the sale of the departmental guides, attends on the superior officials as required, and does a large part of the simpler mechanical work, such as the filling of trays with clean cotton-wool.

General.

Descriptive catalogues of the specimens of Plagionite and Wolfsbergite have been prepared, and those of Iron Pyrites and Zinckenite have been brought up to date. Goniometrical determinations have been made also on specimens of Blende, Stibnite, Tetrahedrite, Enargite, Fluor, Cerussite, Calcite, Epidote, Wolfram, Anglesite and Vivianite.

In the chemical laboratory sixty doubtful minerals have been qualitatively analysed and determined, and quantitative analyses have been made of two new Brazilian minerals of remarkable chemical composition—Derbylite, a titano-antimonate of iron, and Zirkelite, a titano-zirconate of calcium (containing also thorium, cerium, iron and uranium in small proportion).

The selection and arrangement of the series of rock-specimens in six window-cases on the northern side of the gallery to form an "Introduction to the Study of Rocks" has been completed: upwards of 500 labels have been designed for these specimens and have been printed.

The numerous gaps in the typical series of rocks occupying the 11 window-cases on the southern side of the gallery have been filled up with specimens.

In connection with the slip-catalogue of the rock-sections, 159 micro-sections have been examined.

A microscopical examination of a group of rocks from the island of Fernando Noronha belonging to the Monchiquite group (Rosenbusch) has been made, and an account prepared for publication.

Crystals and crystal-models have been selected and arranged in the two wall-cases at the western end of the gallery.

The series of large specimens of minerals has been extended to fill the three wall-cases in the Pavilion, and it has thus become possible to adopt the same arrangement for the species as is used in the gallery; 57 large specimens have been selected, mounted on separate pedestals and labelled for this purpose. This re-arrangement has made it possible to place those large specimens of minerals, which remain in the glazed ends of the cases and on separate stands throughout the gallery, near the smaller specimens belonging to the same species.

The larger rock-specimens, including the specimens of flexible sandstone, have been arranged in a wall-case at the eastern end of the gallery.

The re-arrangement of the mineral specimens in the drawers, rendered necessary by the growth of the collection, has been continued.

One hundred and fifty-two micro-sections of minerals and rocks, and two of meteorites have been prepared, and a large specimen of fossil wood has been cut.

The "Introduction to the Study of Meteorites" and the "Introduction

"Introduction to the Study of Rocks" have been revised, and new editions have been issued.

Experiments have been made with a view to prevent the reflection due to the glass of the window-cases of the gallery from interfering with the examination of the specimens.

Departmental Library.

To the Departmental Library have been added 151 separate works (in 171 volumes), 85 memoirs and pamphlets, and 25 parts of works not yet completed.

Of the above, 65 volumes and all the memoirs and pamphlets were acquired by presentation or transfer; all of them, including 805 plates, have been registered and stamped.

Visitors.

The number of visits recorded as made to the Department, for purposes of consultation or study, is 1,841; of these, 986 were more especially for purposes of study.

Exchange.

An exchange of specimens has been negotiated with Mr. C. F. Pech, of Berlin.

Duplicates.

Two hundred duplicate mineral specimens have been presented to the University Extension College, Reading.

Three duplicate specimens of meteorites have been presented to Don Miguel Merino (for the Madrid Natural History Museum) in recognition of his generous present of a fragment of the meteorite which fell at Madrid on 10th February, 1896.

Acquisitions.

One thousand and fifty-six specimens have been acquired during the year 1896, namely:—412 minerals, 632 rocks, and 12 meteorites. These have been registered, numbered, labelled and incorporated with the collection. The more important of them are as follows:—

Minerals.

By Presentation:

Berzeliite; Långban, Sweden: by Professor A. H. Church, F.R.S.

Chessylite; Copper Queen Mine, Arizona, U.S.A.: by J. Douglas, Esq.

Cinnabar in Coal; Mieres, Asturias, Spain: by H. R. Merton, Esq.

Corundum; Salem, Madras; and Zircon; Central Australia: by E. W. Streeter, Esq.

Corundum in Cyanite; Balaranpur, Bengal: by Professor J. W. Judd, C.B., F.R.S.

Derbylite and Lewisite crystals; Minas Geraes, Brazil: by Dr. E. Hussak.

Fluor, a large purple cube; Weardale, Durham: by Miss C. Birley.

Galena, a tabular crystal; Wildberg Mine, Rhenish Prussia: by Upfield Green, Esq.

Goslarite in acicular crystals; Tavistock, Devon: by E. Philip Gilman, Esq.

Iron Pyrites, a large "slickenside"; Rio Tinto mines, Spain: by S. R. Adcock, Esq.

Mica; Australia: by F. A. Butler, Esq.

Monazite Sand; Macon County, North Carolina, U.S.A.: by W. E. Hidden, Esq.

Nesquehonite, and pseudomorphs of Nesquehonite after Lansfordite; Nesquehoning, Pennsylvania, U.S.A.: by W. F. Ferrier, Esq.

Opal; Nicaragua: by H. J. Gardiner, Esq., F.G.S.

Pearlspar on Chalybite; Durham; Celestite in conglomerate; Henbury, Gloucestershire; Eisenkiesel; Knowle, Gloucestershire: by Spencer G. Perceval, Esq.

Sapphires; Philipsburg, Montana, U.S.A.: by Cary Wright, Esq.

Tetrahedrite, argentiferous; Bolivia: by T. J. Gibb, Esq.

By Purchase:

Anatase, fine crystals on Ilmenite; Binnenthal, Switzerland.

Apatite; Miask, Urals.

Argentite; Guanaxuato, Mexico.

Argentopyrite; Joachimsthal, Bohemia.

Ascharite; Ascherleben, Saxony.

Axinite; Province Bungo, Japan.

Barnhardtite; Cabarrus County, North Carolina, U.S.A.

Blende, an extremely large crystal; Cornwall.

Bournonite in fine crystals on Barytes; Westerwald.

Bröggerite; Raade, Norway.

Calamine; Kelly, New Mexico, U.S.A.

Calaverite; Cripple Creek, Colorado, U.S.A.

Calcite in twinned crystals; Guanaxuato, Mexico.

Carbonado; Bahia, Brazil.

Cassiterite (artificial).

Catapleiite; Langesund, Norway.

Celsian; Jakobsberg, Sweden.

Chlorargyrite on Gypsum; Caracoles, Chili.

Clinozoisite; Pregratten, Tyrol.

Colemanite; San Bernardino County California, U.S.A.

Conichalcite; Mammoth, Utah, U.S.A.

Copper Pyrites, fine crystals; Cornwall.

Cromfordite,

Cromfordite, in large tabular crystals; Monte Poni, Sardinia.
Diaspore with Corundophilite; Chester, Massachusetts, U.S.A.
Edingtonite crystals (a suite of); Böhlet, Westergötland, Sweden.
Erythrite; Schneeberg, Saxony.
Fluor (pink); St. Gotthard, Switzerland.
Franklinite; Franklin, New Jersey, U.S.A.
Gadolinite; Hitterö, Norway.
Galena on Blende; Joplin, Missouri, U.S.A.
Gold crystals; Brazil.
Griphite; Harney City, South Dakota, U.S.A.
Hyalite; Province Etchu, Japan.
Idocrase; Province Bungo, Japan.
Iron Pyrites in triakisoctahedra; East Pool mine, Cornwall.
Kaliblödite; Goslar, Harz.
Kaliborite; Ascherleben, Saxony.
Langbeinite; Leopoldshall, Anhalt.
Lapis Lazuli, a large polished specimen; Chili.
Lawsonite; Tiburon Peninsula, California, U.S.A.
Leadhillite with the forms of Calcite and Galena; Granby, Missouri, U.S.A.
Leucophane; Langesund, Norway.
Mauzeliite; Långbanshyttan, Sweden.
Mazapilite; Mazapil, Mexico.
Mimetite; Ems, Nassau.
Monazite; Arendal, Norway.
Native silver with Erubescite; Thelemarken, Norway.
Newberyite; Skipton Caves, Ballarat, Australia.
Northupite; Borax Lake, California, U.S.A.
Opal; White Cliffs Opal Mines, New South Wales.
Orpiment; Mercur, Utah, U.S.A.
Orthoclase; Province Omi, Japan.
Parisite, a fine clear crystal; Muso, Columbia.
Pectolite; Paterson, New Jersey, U.S.A.
Pirssonite; Borax Lake, California, U.S.A.
Pyrargyrite, a fine group of crystals; Venezuela.
Rathite; Binnenthal, Switzerland.
Rectorite; Marble Township, Arkansas, U.S.A.
Retzian; Nordmark, Norway.
Rhodochrosite; Alicante, Colorado, U.S.A.
Roseite; Chester County, Pennsylvania, U.S.A.
Ruby, a fine hexagonal crystal.
Ruby in matrix; Mursinsk, Urals.
Salvadorite; Quetena, Chili.
Sapphire, fine crystal; Australia.
Schwatzembergite; Sierra Gorda, Chili.
Sphene; Arendal, Norway, and Zillerthal, Tyrol.
Stephanite with Chalybite on Galena; Venezuela.

Stephanite with Pyrargyrite; Venezuela.
Sundtite; Oruro, Bolivia.
Tellurite; Faczebanya, Transylvania.
Thaumasite; West Paterson, New Jersey, U.S.A.
Topaz in Rhyolite; Servier County, Utah, U.S.A.
Tourmaline, suite of parti-coloured crystals; Haddam Connecticut, U.S.A.
Tourmaline; Hamburg, New Jersey, U.S.A.
Whewellite, a fine heart-shape twin; Zwickau, Saxony.

Of the above species the following were new to the Collection:—

Ascharite, Barnhardtite, Celsian, Clinozoisite, Derbylite, Griphite, Kaliblödite, Kaliborite, Langbeinite, Lansfordite, Lawsonite, Mauzeliite, Nesquehonite, Newberyite, Northupite, Pirssonite, Rathite, Rectorite, Retzian, Roseite, Salvadorite, Sundtite.

Rocks.

By Presentation:

Eighty-three rock-specimens from Solomon Islands, collected by H. B. Guppy, Esq., M.B.: by Professor J. W. Judd, C.B., F.R.S.

One-hundred and two rock-specimens from Sierra Leone: collected and presented by G. F. Scott Elliot, Esq.

One hundred and thirty-nine rock-specimens from Egypt, collected by G. F. Scott Elliot, Esq.: by Miss C. A. Raisin, B. Sc.

Seventeen rock-specimens from the Eifel; by R. Bullen Newton, Esq., F.G.S.

Fourteen specimens from different parts of the Cleveland Dyke: by James I'Anson, Esq.

Sixteen rock-specimens from various localities: by H. J. Gardiner, Esq., F.G.S.

Cryoconite; Greenland: by R. H. Scott, Esq., F.R.S.

Mica-Apatite-Peridotite; Giridih Coal-field, Bengal, India: by the Director of the Geological Survey of India.

By Purchase:

A collection of 58 rock-specimens from Cornwall and Devon.

A collection of 39 rock-specimens from Mexico.

A collection of 24 rock-specimens from Ireland, mostly from different parts of the Leinster granite-mass.

A polished slab of the beautiful garnetiferous marble ("Roselite") from Xalostoc, Mexico.

Obsidian with Lithophyses; Yellowstone Park, Wyoming, U.S.A.

Theralite; Crazy Mountains, Montana, U.S.A.

Ortlerite and Suldenite; Tyrol.

Felsite with Riebeckite; Ailsa Craig.

Meteorites.

By Presentation :

Ambapur Nagla, North-West Provinces, India; fell 27th May, 1895; two fragments weighing 1075·5 grams: by the Director of the Geological Survey of India.

Madrid; fell 10th February, 1896; weight 18·4 grams: by Don Miguel Merino, of Madrid.

By Purchase:

Ballinoo, Western Australia; a slice weighing 3,160·0 grams.

Canton, Cherokee County, Georgia, U.S.A.; a slice weighing 335·0 grams.

Capitan Range, New Mexico, U.S.A.; a slice weighing 956·0 grams.

Fisher, Minnesota, U.S.A.; fell 9th April, 1894: fragments weighing 602·0 grams.

Kokstad, East Griqualand; a slice weighing 203·0 grams.

Laborel, Drôme, France; fell 14th June, 1871: weight, 291·5 grams.

Lesves, Belgium; fell 13th April, 1896: weight, 56·7 grams.

Long Island, Kansas, U.S.A.; found in 1891: weight 1,289·0 grams.

Morristown, Hamblen County, Tennessee, U.S.A.; a slice weighing 418·7 grams.

Of the above meteorites, those of which the names are italicised were new to the collection.

8th January, 1897. *L. Fletcher.*

Department of Botany.

During the past year 19,438 specimens have been named, mounted and incorporated into the Herbarium. The additions have been fairly evenly distributed over the collection.

In the progress of the work the officers of the Department have been occupied as follows:—

Mr. E. G. Baker has principally been engaged in incorporating with the general Herbarium *Polypetalæ* from Malaya and India presented by Dr. King, from Tropical Africa, presented by Dr. Engler; from the Pamirs, presented by Prof. Duthie; and collections from California, Mexico, and Persia, by Geo. Hansen, Pringle, and Bornmüller respectively. The incorporation of *Leguminosæ* mentioned in last year's Report has been continued. The genus *Polygala* has been revised and rearranged in accordance with Dr. Chodat's Monograph. The genus *Galactia* has also been revised, and with the assistance of Mr. Britten, the natural order *Lythraceæ* has been revised and rearranged in accordance with Dr. Koehne's Monograph. The British *Polypetalæ* received during the year have been incorporated with the collection, and a few days were spent in the arrangement of an exhibition of British-grown Woods in the Public Gallery. The *Polypetalæ* of Dr. Donaldson Smith's collection from Somaliland and Lake Rudolph were identified, and a new genus and several new species described.

Mr. Britten has devoted much time to helping Mr. Hiern in the preparation of the Welwitsch Catalogue, and to reading the proofs of the same for the press. He has worked at the Orders *Bignoniaceæ*, *Rubiaceæ*, *Primulaceæ*, *Compositæ*, *Solanaceæ*, *Labiatæ*, *Acanthaceæ* and others. He has also begun an examination of the Sloane Herbarium, and has made some progress in naming the important collection of drawings made during Cook's First Voyage, and the specimens of the same in the Herbarium. He has also supervised the preparation of the Catalogue of the Departmental Library.

Mr. Rendle has worked out and prepared a list with descriptions of new species of the Monocotyledons and Apetalous and Gamopetalous Dicotyledons of Dr. Donaldson Smith's Somaliland collection; of a small collection from the Philippine Islands by Mr. T. Whitehead; of Tropical African *Convolvulaceæ* collected by Dr. Gregory and others; of Tropical African *Asclepiadaceæ* collected by Drs. Gregory, Welwitsch and Taylor; of the Chinese grasses of the section *Paniceæ*; and of Dr. Welwitsch's Tropical African grasses of the same section. In the course of this work the herbarium material

material of *Panicæ* has been revised and rearranged, and some time has been spent on that of *Acanthaceæ* and certain other natural orders. The genus *Naias* has been revised, and the specimens compared with those in the Berlin and Calcutta Herbaria, kindly lent for the purpose. In addition to those referred to above, the following collections have been selected, laid out and incorporated: *Gymnospermæ, Monocotyledones,* and *Apetalæ* from J. Macoun (Canada), Heller (Sandwich Is.), Rudge (Brit. Guiana), Volkens and others (Eastern Tropical Africa), Bornmüller (Persia), Ridley (Malaya), Macowan (South Africa), Christ (Europe), and from Minnesota; *Gymnospermæ* and *Monocotyledones* from G. Hansen (California), Marcus Jones (Utah Co.), Zenker and Stadt (Cameroons); *Cyperaceæ* from C. B. Clarke (Indian), and others; grasses from Pringle (Mexico), and others. He has also superintended the removal of tree-ferns, Cycads, Palms, &c., from the large central cases in the Public Gallery, and their rearrangement, including the preparation of maps, sketches, &c.

Mr. Gepp has continued the revision of the Moss-Flora of the British West Indies, and the determination of collections received from those islands, and also from India and West Africa. In connection with this work the following genera were revised: — *Barbula, Fissidens, Isothecium, Leucobryum, Macromitrium, Nanomitrium, Philonotis, Porotrichum, Rhizogonim, Schlotheimia* and *Thuidium.* Considerable progress has been made in the mounting and incorporation of specimens in the collection. These additions amounted to 650 Mosses, 5,450 Hepatics, and 5,550 Lichens, and came from the Herbaria of Wilson, Spruce, Stephani, Nolte, Ravenel and others.

Mr. Blackman has been engaged in sorting and laying out the large collection of drawings of British Fungi, by Edwin Wheeler, some 2,200 in number; and in incorporating them with the collection of similar drawings by Mr. Worthington Smith and others. He has also been engaged in arranging and superintending the arrangement of that part of the Index Museum in the Central Hall which is devoted to Botany. The case designed to exhibit the distinctive characters of Monocotyledonous plants has been begun with a series showing the differences between Monocotyledons and Dicotyledons, and a large collection has been made of other specimens, which will shortly be placed in the case. The series of large coloured drawings placed in the upper part of these cases, and exhibiting the microscopic structure of the chief organs of the higher plants, has been continued under his direction. He has been assisted in this work by Mr. J. Lloyd Williams and Miss Mitchell.

The Keeper of the Department has continued to take charge of the collection of Algæ, to which a considerable number of additions have been made. He has also superin-

tended the rearrangement of the Public Gallery, and has commenced a series of illustrations of plant adaptations, the cases showing Insectivorous Plants and the dispersal of fruits and seeds having been completed with the aid of Miss Frances Whitting. At the request of the Fishery Board for Scotland, he made an examination of the plant plankton of the coast of Scotland. He was granted eleven days special leave of absence by the Trustees, and in all spent six weeks at sea in pursuit of this investigation. He obtained numerous specimens, recorded a new mode of reproduction in marine diatoms, and established the fact that the minute crustacea (which are to a large extent the food of fishes) themselves feed on diatoms, as well as other points of scientific and economic interest. He has prepared a memoir on the subject, printed (but not yet issued) in the *Proceedings of the Royal Society of Edinburgh*, and a special account for the Annual Report of the Fishery Board.

Progress has been made in the illustration of the British Flora by specimens and drawings. Mr. Worthington Smith and Miss A. L. Smith have added largely to the Basidiomycetes and Hyphomycetes respectively.

The collection of slides of fossil plants and the very extensive collection of Diatoms are being permanently labelled, the latter collection being now rather more than half done.

The late Freeman C. S. Roper, of Eastbourne, for many years an authority on Diatomaceæ, has greatly enriched the collections by the bequest of his cabinet of Diatoms, consisting of 3,580 slides, 2 type slides and 41 herbarium specimens. Mr. Roper's collection had been long known as one of the best private cabinets, since it contains much material prepared under his special direction. It has proved to be of great value even as an addition to the magnificent series of slides already in the Department.

The Linnean Society has presented 3,705 specimens of Fungi and Lichens (from Weddell's Herbarium) and the gift has made it possible to complete published sets by E. Fries, Mougeot and Nestler, Stenhammar, Th. M. Fries, Hepp, Anzi and Malbranche.

The other additions to the collections by presentation have consisted of 841 Malayan Phanerogams and Cryptogams, 345 woods and 1 fruit by H. N. Ridley, Esq., Director of Gardens and Forests, Singapore; 453 Indian Plants by Dr. George King, C.I.E., F.R.S., Superintendent of the Royal Botanic Garden, Calcutta; 352 Kashmir and 100 Pamir plants by J. F. Duthie, Esq., Director of the Botanic Garden, Saharunpur; 84 Cryptogams and 1 fruit by the Honourable William Fawcett, Director of Public Gardens and Plantations, Jamaica; 3 plants by J. H. Hart, Esq., Superintendent Royal Botanic Garden, Trinidad; 135 South African plants by the Government of Cape Colony; 74 African Fungi, and 3 fruiting specimens

specimens of Flowering Plants by W. T. Thiselton-Dyer, Esq., C.M.G., C.I.E., F.R.S., Director, Royal Gardens, Kew; 11 Insectivorous Plants by Professor Balfour, F.R.S., Director of the Royal Botanic Garden, Edinburgh; 24 North American and Mexican Plants by the Director of the National Herbarium, Washington; 435 African plants by the late John Buchanan, Esq., C.M.G.; 8 specimens by Messrs. Veitch; 93 North American plants by Professor Macoun; 240 Canadian Phanerogams and Cryptogams by J. M. Macoun, Esq.; 25 plants from Kolguev by Colonel Feilden; 34 European plants by Dr. Christ; 248 Chinese Phanerogams and Cryptogams and 30 fruits by Father Hugh; 17 American Willows by W. W. Rowlee, Esq.; 300 Phanerogams and Cryptogams from British North Borneo by his Excellency the Governor Creagh, C.M.G.; 70 South African Plants by H. Bolus, Esq.; 74 Nyasaland Plants by the Universities Mission; 2 Photographs of Mexican Vegetation and 2 Fungi by O. H. Howarth, Esq.; 2 Photographs of *Hakea grammatophylla* by G. H. Adcock, Esq.; 3 specimens and drawings by Professor Bailey; 6 Orchids by F. W. Moore, Esq.; 4 species of *Dombeya* by Dr. Cordemoy; 2 Canarian plants by the Rev. R. P. Murray; 3 New Zealand Plants by T. Kirk, Esq.; 21 Orchids by J. Weathers, Esq.; 27 West Australian plants by W. Fraylen, Esq.; 17 Microscope Slides of Cryptogams by C. D. Sherborne, Esq.; 300 New Zealand Musci and Hepaticæ by F. T. Mott, Esq.; 3 Tasmania Mosses by W. A. Weymouth, Esq.; dried and spirit specimens and 4 microscope slides of a new genus of Hepaticæ by Professor D. H. Campbell; 23 Cape Algæ by W. Tyson; 73 Cape Algæ by H. G. Flanagan, Esq.; 3 Cape Algæ and specimen of a new variety of Jaborandi by E. M. Holmes, Esq.; 25 Australian Algæ by the late Baron von Mueller, K.C.M.G.; 75 Grand Canary Algæ by Miss Anna Vickers; 12 Crimean Algæ by Miss Nathalie Karsakoff; 18 slides of Plankton Diatoms by Professor Cleve; 2 Algæ by Surgeon Captain Alcock; 14 Antiguan Mycetozoa by W. Cran, Esq.; 17 Photographs of Indian Fungi by Dr. Alfred Lingard; and single specimens by Graf zu Solms-Laubach, Professor F. W. Oliver, Captain Meryon, R.N., Rev. C. H. Binstead and W. Horace Wood, Esq.

The following additions have been made by presentation to the British Herbarium:—342 plants by the Rev. E. S. Marshall; 76 plants by Arthur Bennett, Esq.; 38 plants by A. B. Jackson, Esq.; 20 Montgomeryshire plants by W. Whitwell, Esq.; 6 plants by T. Hilton, Esq.; 2 plants by Miss Boyd; 5 Insectivorous plants by Professor Trail; 2 Leicestershire plants and 200 Musci and Hepaticæ by F. T. Mott, Esq.; 1 rare Moss and 2 Microscope Slides by W. E. Nicholson, Esq.; 11 Algæ and 6 slides by George Brebner, Esq.; 18 Fungi by C. B. Plowright, Esq.; 11 Fungi by Miss A. L. Smith; 3 Fungi by C. F. Jenkin, Esq.; 2 Fungi by Cedric Bucknall, Esq.; and single specimens by J. Lloyd Williams, Esq., Rev. E. A.

Woodruffe Peacock, Mrs. Marindin, Rev. E. D. Heathcote, Rev. C. H. Binstead, Miss A. H. Fisher and W. H. Shrubsole, Esq.

The following additions have been made by exchange of duplicates:—928 Phanerogams and Cryptogams from the Cameroons and the Argentine Republic, from the Director of the Royal Botanical Museum, Berlin; 597 Minnesota plants from Professor Conway Macmillan, and specimens in spirit of two parasites for exhibition from Professor Penzig.

The second (concluding) portion of the Stephani collection of Hepaticæ has been acquired by purchase. It consists of 6,920 specimens, and is in every respect a most satisfactory addition to the Herbarium.

Two small Herbaria of Algæ of much value were also purchased, viz., that of the late T. H. Buffham, consisting of 1,330 specimens, chiefly from British coasts, and that of the late Bracebridge Wilson, containing 1,485 Victoria specimens. Both collections were the fruit of careful and assiduous work during many years.

The following specimens have also been acquired by purchase:—

1,334 Phanerogams and Cryptogams, from "the Sequoia region," by Hansen; 1,254 Phanerogams and Cryptogams, from North America, by Marcus E. Jones; 529 Phanerogams and Cryptogams, from Madagascar, by Dr. Forsyth Major; 340 Chinese plants, by Father Hugh; 100 Lombok plants. by Everett; 239 Armenian plants, by Sintenis; 100 Polish plants, by Wocoszlzak; 276 French Congo plants, by Bates; 249 Hawaiian plants, by Heller; 100 plants from Greece, by Heldreich; 108 Bornean plants, by Haviland; 225 Mexican plants, by Pringle; 280 Mexican plants and 22 fruits, by Palmer; 79 Yucatan plants, 377 Orinoco plants, by Rusby; 442 Persian plants, by Bornmüller; 644 Cryptogams, by Beattie; 200 Swiss Cryptogams, by Wartmann and Winter; 50 Swiss Cryptogams by Wartmann and Schenk; 185 Labrador Mosses, by Waghorne; 206 Labrador and Newfoundland Lichens, by Waghorne; 48 Florida Algæ, by Curtiss; 50 North American Algæ, by Collins, Holden and Setchell; 100 Algæ, by Hauck and Richter; 25 Characeæ, by Migula, Sydow and Wahlstedt; 350 Fungi, by Sydow; 163 Mecklenburg Fungi, by Fiedler; 200 Scandinavian Fungi, Romell; 1,000 Fungi, by Ellis and Everhart; 25 Parasitic Fungi, by Briosi and Cavara; 50 Lombardy Fungi, by Cavara; 50 Russian Fungi, by Jaczewski, Komarov and Tranzschel; and 100 Fungi, by Krieger.

The following additions have been made by purchase to the British Herbarium:—

50 Plants (Willows and *Hieracia*), by Linton; 25 Marine Algæ, by Holmes; and 240 Lichens, by Johnson.

The

The following works have been presented to the Library of the Department:—

Annals of the Royal Botanic Garden of Calcutta (Vol. v., Parts 1 and 2, Vol. vi., Part 1, and Vol. vii.), by the Superintendent; Bulletin of Miscellaneous Information of the Trinidad Botanic Gardens, by the Superintendent; Bulletin of the Botanical Department, Jamaica, by the Director; Report of the Botanic Garden in Tiflis, by the Minister of Agriculture for the Caucasus; Notizblatt d. Konigl. Bot. Garten v. Museums zu Berlin, No. 4, by the Director; Annual Report of the Missouri Botanic Garden, by the Director; Contributions from the U.S. National Herbarium, by the U.S. Department of Agriculture; Minnesota Botanical Studies, by Professor Conway Macmillan; Index to Watts' Dictionary of Economic Products of India, by the Government of India; Transactions, Journal and Catalogue of the Library, by the Linnean Society; Quarterly Record of the Royal Botanic Society, by the Society; Pharmaceutical Journal, by the Pharmaceutical Society; Journal of the Royal Horticultural Society, by the Society; Nederlandsch Krindkundig Archief, by the Nederlandsch Botanische Vereeniging; The Garden, by W. Robinson, Esq.; Contributions from the Herbarium of the Geological Survey of Canada (v.-vii.), by J. M. Macoun, Esq.; Parts xxi. and xxii. of the Flora of British India, by the Secretary of State; Scientific Memoirs by the Medical Officers of the Army of India, by the Government of India; Contributions to the Flora of Yucatan, by the author, C. F. Millspaugh, Esq.; On Seedlings, by the author, Sir John Lubbock, Bart.; Five numbers of the Bull. Soc. Linn., Paris, hitherto wanting in the Departmental Library, by W. P. Hiern, Esq.; MS. Flora of Peru (by A. Mathews), by F. Justen, Esq.; Smith's Compendium of the English Flora, Ed. 2, Salt's List of Sheffield Plants, F. A. Lees' Catalogue of Lincolnshire Plants, and P. Blair's Pharmaco-Botanologia, by Rev. E. A. Woodruffe Peacock; 7 Pamphlets, by Dr. Christ; 3 Pamphlets, by W. A. Weymouth, Esq.; 2 Pamphlets, by Dr. Forsyth Major; 2 Books, by Mr. Britten; and single Pamphlets by the Imperial Academy of Science of St. Petersburg, R. Gerard, Esq., R. A. Rolfe, Esq., T. Kirk, Esq., Professor Bower, F.R.S., Professor Trelease, W. H. Beeby, Esq., Dr. D. H. Scott, F.R.S., M. E. Hisinger, Dr V. F. Brotherus, Professor D. H. Campbell, and E. D. Marquand, Esq.

The additions by purchase to the collection of drawings of plants include drawings of Flowering Plants, by Ehret and Sydenham Edwards, and of Fungi, by W. G. Smith and P. Highley.

A series of Models for exhibition illustrating Insectivorous Plants and Succulent Fruits, by Miss Emett, have been purchased.

The manuscript copy, originally made for Dawson Turner, of the Journal of Sir Joseph Banks during Cook's First Voyage, has been utilised by Sir Joseph Hooker for the publication of the Journal. The original MS. was claimed from the Department of Manuscripts where it had been deposited, by the late Lord Brabourne, who sold it to a dealer, and it cannot now be traced.

The first part, containing the Dicotyledons to *Rhizophoraceæ*, of the "Catalogue of the African plants, collected by Dr. Friedrich Welwitsch in 1853–61," has been published, under the authorship of Mr. W. P. Hiern.

In addition to this catalogue the following memoirs dealing with plants preserved in the Department have been published during the year :—

List of Plants in an appendix to Dr. Gregory's "The Great Rift Valley," by the Officers of the Department.

By Mr. Baker.

New African Plants, Journal of Botany, 1896, pp. 50-54.

By Mr. Britten.

Arruda's Brazilian Plants, Journ. Bot., 1896, pp. 242–250.

Bombax Jenmani Oliv., op. cit., pp. 334, 335.

(With Mr. Baker).

Notes on Ceiba, op. cit., pp. 173–176,

By Mr. Rendle.

New African Convolvulaceæ, Journ. Bot., 1896, pp. 36-39.

New African Plants, op. cit., pp. 54–57, 127–132.

New African Asclepiads (with R. Schlechter), op. cit , pp. 97–100.

New Philippine Plants, op. cit., pp. 355–358.

Dr. Donaldson Smith's Acanthaceæ, op. cit., pp. 395–398, 409-414.

Sisyrinchium Californicum Dryand. op. cit., pp. 494, 495.

By Mr. Murray.

A new species of *Caulerpa*, Journ. Bot., 1896, p. 177.

On the reproduction of some Marine Diatoms, Proc. Roy. Soc. Edin.

The number of visitors to the Herbarium for research and consultation during the year has been 2,555.

George Murray.

RETURN.

BRITISH MUSEUM.

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for 1897
BRITISH MUSEUM
M. O.
NATURAL HISTORY

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26 *April* 1898.

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BRITISH MUSEUM.

RETURN to an Order of the Honourable The House of Commons, dated 24 February 1898;—*for*,

ACCOUNT "of the INCOME and EXPENDITURE of the BRITISH MUSEUM (SPECIAL TRUST FUNDS) for the Year ending the 31st day of March 1898; and RETURN of the Number of PERSONS admitted to visit the MUSEUM and the BRITISH MUSEUM (NATURAL HISTORY) in each Year from 1892 to 1897, both Years inclusive; together with a STATEMENT of the PROGRESS made in the ARRANGEMENT and DESCRIPTION of the COLLECTIONS, and an ACCOUNT of OBJECTS added to them in the Year 1897."

Treasury Chambers,
26 April 1898.

R. W. HANBURY.

(*Sir John Lubbock.*)

Ordered, by The House of Commons, *to be Printed*,
26 *April* 1898.

LONDON:
PRINTED FOR HER MAJESTY'S STATIONERY OFFICE,
BY EYRE AND SPOTTISWOODE,
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JOHN MENZIES & Co., 12, HANOVER STREET, EDINBURGH, and
90, WEST NILE STREET, GLASGOW; or
HODGES, FIGGIS, & Co., LIMITED, 104, GRAFTON STREET, DUBLIN.

174.

CONTENTS.

Page

I.—ACCOUNT OF THE RECEIPT AND EXPENDITURE OF THE BRIDGEWATER FUND, for the Year ended 31st March 1898 - - - - - - - - - - - - 4

II.—ACCOUNT OF THE FARNBOROUGH FUND, for the same period - - - - - - - - - - - - - - 4

III.—ACCOUNT OF THE SWINEY FUND, for the same period - 6

IV.—ACCOUNT OF THE BIRCH FUND, for the same period - - 6

V.—ACCOUNT OF THE TAPLING BEQUEST, for the same period 8

VI.—ACCOUNT OF THE TURNER BEQUEST, for the same period 8

VII.—RETURN of the Number of PERSONS admitted to visit the BRITISH MUSEUM and the BRITISH MUSEUM (NATURAL HISTORY) in each Year from 1892 to 1897, both Years inclusive - - - - - - - - - - - - - - 10

VIII.—STATEMENT of GENERAL PROGRESS at the MUSEUM (Bloomsbury) - - - - - - - - - - - - - - 14

IX.—STATEMENT of PROGRESS made in the ARRANGEMENT and DESCRIPTION of the COLLECTIONS, and ACCOUNT OF OBJECTS added to them, in the Year 1897 (Bloomsbury) - - - - 17

X.—Ditto - - - ditto - - - (Natural History) - - - 89

I.—AN ACCOUNT of the RECEIPTS and EXPENDITURE of the

		CASH.	STOCK, 2¾ °/₀ Consols.
		£. s. d.	£. s. d.
TO BALANCES on the 1st April 1897 - - -		69 1 4	13,150 13 10
- DIVIDENDS received on 13,150*l.* 13*s.* 10*d.* Stock in 2¾ per Cent. Consols, bequeathed by the Earl of Bridgewater, viz.:			
On the 5th April 1897	£. 90 8 2		
„ 6th July 1897 -	90 8 3		
„ 5th October 1897 -	90 8 2		
„ 5th January 1898 -	90 8 3		
		361 12 10	
- RENT OF A REAL ESTATE, bequeathed by the Earl of Bridgewater (less charges of collection and repairs) - - -		39 14 11	
	£.	470 9 1	13,150 13 10

II.—AN ACCOUNT of the RECEIPTS and EXPENDITURE of the

		CASH.	STOCK, 2¾ °/₀ Consols.
		£. s. d.	£. s. d.
TO BALANCES on the 1st April 1897 - - -		- 2 3	2,879 10 7
- DIVIDENDS received on 2,879*l.* 10*s.* 7*d.* Stock in 2¾ per Cent. Consols, bequeathed by Lord Farnborough, viz.:			
On the 5th April 1897	£. 19 15 11		
„ 6th July 1897 -	19 15 11		
„ 5th October 1897 -	19 15 11		
„ 5th January 1898 -	19 15 11		
		79 3 8	
	£.	79 5 11	2,879 10 7

BRIDGEWATER FUND, from the 1st April 1897 to the 31st March 1898.

	Cash.	Stock, 2¾ °/₀ Consols.
	£. s. d.	£. s. d.
By Payment of one Year's Salary to the Egerton Librarian - - - - - -	210 - -	
- Payment for the Purchase of Manuscripts	80 - -	
- Balances on the 31st March 1898, carried to Account for 1898–99 - - -	180 9 1	13,150 13 10
£.	470 9 1	13,150 13 10

FARNBOROUGH FUND, from the 1st April 1897 to the 31st March 1898.

	Cash.	Stock, 2¾ °/₀ Consols.
	£. s. d.	£. s. d.
By Balances on the 31st March 1898, carried to Account for 1898-99 - - -	79 5 11	2,879 10 7
£.	79 5 11	2,879 10 7

III.—AN ACCOUNT of the RECEIPTS and EXPENDITURE of the

		Cash.	Stock, 2¾ °/₀ Consols.
		£. s. d.	£. s. d.
To BALANCES on the 1st April 1897 - - -		121 9 8	5,583 1 6
- DIVIDENDS received on 5,583*l.* 1*s.* 6*d.* Stock in 2¾ per Cent. Consols, bequeathed by Dr. George Swiney for Lectures on Geology, viz.:			
On the 5th April 1897	£. 38 7 8		
„ 6th July 1897 -	38 7 8		
„ 5th October 1897 -	38 7 8		
„ 5th January 1898 -	38 7 8		
		153 10 8	
	£.	275 0 4	5,583 1 6

IV.—AN ACCOUNT of the RECEIPTS and EXPENDITURE of the

		Cash.	Stock, 2¾°/₀ Consols.
		£. s. d.	£. s. d.
To BALANCE on the 1st April 1897 - - -		—	565 3 9
- DIVIDENDS received on 565*l.* 3*s.* 9*d.* Stock in 2¾ per Cent. Consols, bequeathed by Dr. Birch in 1766, for the three Under Librarians of the British Museum, viz.:			
On the 5th April 1897 -	£. 3 17 9		
„ 6th July 1897 -	3 17 8		
„ 5th October 1897 -	3 17 9		
„ 5th January 1898 -	3 17 8		
		15 10 10	
	£.	15 10 10	565 3 9

SWINEY FUND, from the 1st April 1897 to the 31st March 1898.

	Cash.	Stock 2¾ °/₀ Consols.
	£. s. d.	£. s. d.
By Salary paid to Dr. R. H. Traquair, for Lectures on Geology in 1897 - - -	150 - -	
- Balances on the 31st March 1898, carried to Account for 1898-99 - - -	125 - 4	5,583 1 6
£.	275 - 4	5,583 1 6

BIRCH FUND, from the 1st April 1897 to the 31st March 1898.

	Cash.	Stock, 2¾ °/₀ Consols.
	£. s. d.	£. s. d.
By Legacy paid to the three Under Librarians of the British Museum, whose offices existed in 1766, viz., the Keepers of the Departments of Printed Books, Manuscripts, and Natural History - - -	15 10 10	
- Balance on the 31st March 1898, carried to Account for 1898-99 - - -	—	565 3 9
£.	15 10 10	565 3 9

V.—AN ACCOUNT of the RECEIPTS and PAYMENTS in connection
1st April 1897 to

	CASH.
	£. s. d.
To BALANCE on the 1st April 1897 - - - - - - -	39 11 9
£.	39 11 9

VI.—AN ACCOUNT of the RECEIPTS and PAYMENTS in connection
1st April 1897 to

	CASH.
	£. s. d.
To BALANCE on the 1st April 1897 - - - - - - -	16 9 1
£.	16 9 1

with the BEQUEST of the late Mr. T. K. TAPLING, M.P., from the the 31st March 1898.

	CASH.
	£. s. d.
BY PAYMENTS to special Assistant arranging and mounting the late Mr. Tapling's collection of stamps (service continued from the Parliamentary Grant) - - - - - - -	39 11 9
£.	39 11 9

with the BEQUEST of the late Miss E. T. TURNER, from the the 31st March 1898.

	CASH.
	£. s. d.
BY AMOUNT expended in connection with excavations in the Island of Cyprus (service continued from the Parliamentary Grant) - - - - - - - - - - - -	16 9 1
£.	16 9 1

E. Maunde Thompson,
Principal Librarian and Secretary.

VII.—NUMBER of PERSONS ADMITTED to VISIT the BRITISH MUSEUM and the BRITISH MUSEUM (NATURAL HISTORY).

A.—PERSONS Admitted to View the GENERAL COLLECTIONS in the British Museum in each Year from 1892 to 1897, both Years inclusive.

	1892.		1893.		1894.		1895.		1896.			1897.		
	Day.	Evening.	Day.	Evening.	Day.	Evening.	Day.	Evening.	Day.	Evening.	Sunday	Day.	Evening.	Sund
JANUARY -	33,559	2,789	38,872	2,839	42,063	2,905	39,516	2,399	43,992	2,773	—	43,162	1,870	1,7
FEBRUARY -	32,482	3,964	36,824	3,062	35,634	3,029	29,739	1,762	36,795	2,759	—	32,378	1,859	2,1
MARCH -	39,484	3,531	38,815	2,915	49,272	3,375	37,247	2,448	38,390	2,529	—	40,770	2,333	3,1
APRIL -	48,980	3,222	49,104	2,740	43,576	3,206	50,772	2,629	55,262	2,807	—	49,973	2,175	3,9
MAY - -	37,358	3,006	42,624	3,142	50,434	3,531	39,914	2,519	43,308	2,606	4,957	41,006	2,192	4,1
JUNE - -	41,516	3,284	37,280	2,736	44,408	3,106	43,059	2,787	36,424	2,310	4,429	42,025	2,046	2,9
JULY - -	40,904	2,613	43,308	1,969	47,498	2,604	48,696	2,264	48,833	2,236	3,326	49,764	2,249	2,8
AUGUST -	71,044	4,354	51,132	2,906	64,150	4,051	65,328	3,124	58,529	2,957	5,580	52,917	2,547	4,5
SEPTEMBER	50,353	4,504	45,226	3,931	44,594	3,724	39,787	3,299	47,236	2,893	4,670	46,345	2,935	4,2
OCTOBER -	44,339	3,506	44,529	3,424	44,177	3,256	42,996	2,839	40,649	2,200	3,497	44,538	2,420	4,5
NOVEMBER	37,964	3,095	38,435	2,458	37,861	2,997	37,363	2,485	35,806	2,025	2,074	36,522	2,172	1,8
DECEMBER -	39,946	2,751	38,064	2,225	37,297	2,229	37,485	1,966	36,777	1,674	1,603	43,189	1,456	1,4
Total Number of Persons admitted to view the General Collections -	517,929	40,619	504,213	34,347	540,964	38,013	511,902	30,521	522,001	29,769	30,136	522,589	26,254	37,4
	558,548		538,560		578,977		542,423		581,906			586,437		

NUMBER OF VISITS TO PARTICULAR DEPARTMENTS.	1892.	1893.	1894.	1895.	1896.	1897.
To the Reading Room, for the purpose of research and reference -	197,984	194,102	202,973	194,924	191,363	188,628
To the Newspaper Room, for the purpose of research - - -	14,590	14,747	15,394	13,031	12,741	16,375
To the Map Room, for the purpose of special research - -	299	208	278	288	298	315
To the Department of Manuscripts, for the purpose of examining Select and other Manuscripts - - - -	8,197	9,310	9,610	8,784	9,730	9,972
To the Print Room, for the purpose of study - - - -	5,474	5,645	5,705	5,966	5,762	6,206
To the Egyptian and Assyrian Department, for the purpose of study - - - - - -	—	1,619	1,600	1,730	1,539	1,410
To the Galleries of Sculpture, for the purpose of study - -	5,815	5,311	6,272	5,245	4,385	3,764
To the Coin and Medal Room, for the purpose of study, &c. -	1,723	2,440	2,612	2,516	2,675	2,934
To the Gold Ornament and Gem Room - - - - - - -	19,801	17,900	20,420	*	*	*
TOTAL - - -	253,883	251,282	264,864	232,484	228,493	229,604

* Visitors to the Gold Ornament and Gem Room are not now included in the number of students, the room being under present arrangements open freely to the general public.

The British Museum, Bloomsbury (including the Departments of Printed Books and Maps, Manuscripts, Oriental Printed Books and Manuscripts, Prints and Drawings, Egyptian and Assyrian Antiquities, Greek and Roman Antiquities, British and Mediæval Antiquities and Ethnography, and Coins and Medals) is open to the public free daily (except on Good Friday and Christmas Day and days of Public Fast or Thanksgiving), as follows:—

On WEEK-DAYS from 10 a.m. to 6 p.m.

After 4 p.m. in January, February, November, December, and after 5 p.m. in March, September, October, only certain of the galleries remain open, viz.:—

On MONDAYS, WEDNESDAYS, and FRIDAYS	Exhibitions of Manuscripts, Printed Books, Prints and Drawings, Porcelain, Glass, Majolica, Prehistoric, British, Mediæval and Ethnographical Collections.
On TUESDAYS, THURSDAYS, and SATURDAYS	Egyptian, Assyrian, Semitic, Greek and Roman Galleries; Religious and American Collections.

On SUNDAY AFTERNOONS:—

From 2	to 4	p.m.	in January, February, November, December.
„ 2	„ 5	„	„ October.
„ 2	„ 5.30	„	„ March, September.
„ 2	„ 6	„	„ April.
2.30	„ 7	„	„ May, June, July, August.

Persons applying for the purposes of research and reference are admitted to the Reading Room under certain regulations every week-day, except the days specified below, in the months of January, February, March, April, September, October, November, and December, from 9 a.m. till 8 p.m.; and in the months of May, June, July, and August, from 9 till 7. The Newspaper Room is open, under similar regulations, from 10 a.m. until ten minutes before the hour of general closing.

The Reading Room, Newspaper Room, and Students' Rooms in the Library and Department of Manuscripts, are closed on Sundays, Good Friday, Christmas Day, and the first four week-days in March and September.

Other Students' Rooms are closed on Sundays, Good Friday, and Christmas Day, and occasionally for cleaning.

Students are admitted generally to the several Departments, on week-days, from 10 till 4 o'clock: to the Sculpture Galleries from 9 o'clock till the hour of general closing; and to the Print Room from 10 till 4 o'clock from January to March, and from August to December, and from 10 till 5 from April to July.

British Museum,
31 March 1898.

E. Maunde Thompson,
Principal Librarian and Secretary.

B.—Persons admitted to view the Collections in the British Museum (Natural History), Cromwell Road, in each Year from 1892 to 1897, inclusive.

	1892:	1893:	1894:	1895:	1896:		1897:	
					Week-days.	Sun-days.	Week-days.	Sun-days.
January	30,002	23,789	30,093	28,073	33,238	—	38,230	2,446
February	22,984	24,204	27,884	19,986	27,818	—	23,318	3,501
March	26,014	26,181	44,117	30,532	28,333	—	29,376	4,548
April	43,765	44,042	29,260	57,730	53,520	—	49,802	5,327
May	24,516	43,420	40,248	35,112	36,225	5,419	26,138	5,413
June	33,697	31,134	30,586	42,019	27,927	6,376	35,325	2,979
July	25,612	36,714	29,752	40,120	31,303	3,713	27,792	3,712
August	37,193	59,072	54,606	69,762	47,864	6,390	40,100	6,114
September	26,285	30,011	32,375	27,121	36,541	5,920	30,065	5,364
October	28,965	34,848	34,152	33,573	35,455	3,854	26,828	6,190
November	24,539	26,847	27,308	29,822	27,832	3,045	20,900	2,526
December	28,345	27,946	33,191	32,887	30,977	2,206	24,993	1,620
Total Number of Persons admitted to view the Natural History Collections (including Students)	351,917	408,208	413,572	446,737	417,033	36,923	372,867	49,740
					453,956		422,607	

Number of Visits to particular Departments, for the purpose of Study—	1892:	1893:	1894:	1895:	1896:	1897:
Zoology	10,932	10,872	10,730	8,189	7,995	9,708
Geology	4,107	4,955	5,176	5,986	5,923	4,889
Mineralogy	1,751	1,714	1,994	2,073	1,841	1,248
Botany	2,585	2,274	2,129	2,206	2,555	2,718
Total	19,375	19,815	20,029	18,454	18,314	18,563

The Exhibition Galleries of the British Museum (Natural History), Cromwell-road, South Kensington, including the Departments of Zoology, Geology and Palæontology, Mineralogy, and Botany, are open to the public, free, daily except Good Friday and Christmas Day, and days of Public Fast or Thanksgiving.

The hours of Admission are as under:—

On WEEK-DAYS, throughout the year from 10 a.m., in

January - - - - - -	to	4	p.m.
February - - - - -	,,	4.30	,,
March - - - - - -	,,	5.30	,,
April to August - - - -	,,	6	,,
September - - - - -	,,	5.30	,,
October - - - - - -	,,	5	,,
November and December - -	,,	4	,,

also, on MONDAYS and SATURDAYS only, from the beginning of May to the middle of July, to 8 p.m., and from the middle of July to the end of August, to 7 p.m.

On SUNDAYS, in

January - - - -	from	2	to	4	p.m.
February - - - -	,,	2	,,	4.30	,,
March - - - -	,,	2	,,	5.30	,,
April - - - -	,,	2	,,	6	,,
May to August - - -	,,	2.30	,,	7	,,
September - - -	,,	2	,,	5.30	,,
October - - - -	,,	2	,,	5	,,
November and December -	,,	2	,,	4	,,

Persons are admitted to study in these Departments every week-day from 10 till 4 o'clock.

British Museum (Natural History),
31 March 1898.

W. H. Flower,
Director.

VIII.—General Progress at the Museum, Bloomsbury

The total number of visitors to the Museum in the year 1897 amounts to 586,437, a slight increase on the number for 1896, which as stated in the last Return was the highest number reached since 1890. Of this total, the visitors on Sunday afternoons were 37,594; and the visitors in the week-day evenings, 26,254. The steady annual diminution of the number of evening visitors has satisfied the Trustees that they would not be justified in continuing to incur the expense of keeping the galleries open in the evenings. From the commencement of the present year therefore this service has been abandoned, but the hours of day opening have been extended to 6 p.m. on week-days throughout the year.

The total number of visits of students to the Reading Room during the year was 188,628, a further diminution by 2,735 on the number of 1896, which had declined from the totals of previous years. The daily average was about 624, as against 630 in 1896.

The average numbers of persons in the room, counted at certain hours in the afternoon, were:—

4 P.M.	5 P.M.	6 P.M.	6.30 P.M.	7 P.M.	7.30 P.M.
349	254	168	102	111	81

The number of volumes, &c. supplied to readers in the year was 1,419,159 as against 1,428,535 in 1896.

There has been an increase in the total number of visits of students to the several Departments other than the Reading Room, amounting to 40,976 as against 37,130 in 1896.

The substitution of skylights for windows which has been in progress during the last few years in the northern rooms on the upper floor has been effected in the Babylonian Room.

The erection of a separate building for the accommodation of the bookbinders has been commenced to the north of the main building on a spare plot of ground acquired with the British Museum Improvement property in 1895. An independent range of workshops is also being erected on the western side of the Museum. These buildings will set free for storage a large part of the basement of the Museum hitherto occupied by bookbinders and other workmen.

Excavations in Cyprus were resumed in November on Mycenæan sites at Maroni between Larnaca and Limassol, and, more recently, near the Tekké or sacred tomb at Larnaca. They are still in progress, the results having been fairly successful.

By the death of Sir Augustus Wollaston Franks, K.C.B., the British Museum has entered into possession of one of the most important bequests of recent times. The particulars of the collections thus bequeathed are set out in the reports of the Keepers of the Departments of British and Mediæval Antiquities and Ethnography and of Prints and Drawings (p. 45); but it should be here recorded that this bequest is only the conclusion of a long series of benefactions, Sir A. W. Franks having from his earliest connection with the Museum periodically made valuable gifts to the Trustees of objects of interest, not only to his own Department, but also to other Departments of the British Museum.

Sir A. W. Franks entered the service of the Trustees in 1851, and held the office of Keeper of the Department of British and Mediæval Antiquities and Ethnography from 1866 to 1896, when he resigned. In 1892 he was elected President of the Society of Antiquaries, and thus became also an official Trustee of the British Museum.

Among the more important acquisitions of the year is a further series of Egyptian sculptures of great antiquity, supplementing those which were purchased in 1896. A most striking portrait statue of an Egyptian official named An-Kheft-Ra, of the Fourth Dynasty, was presented by the Egypt Exploration Fund, and is a prominent object among the remains of the Early Empire, exhibited at the northern end of the Egyptian Gallery. The most valuable addition of literary interest is a papyrus, unfortunately much mutilated, of the first century B.C., containing poems of the Greek poet Bacchylides, the contemporary of Pindar; the text has been forthwith published, together with a photographic facsimile of the papyrus. Several books of rarity were purchased at the Ashburnham sale, including the "Doctrinal of Sapience," printed by Caxton in 1489. A further series of correspondence and papers of Admiral Viscount Nelson has been purchased, supplementing the collection acquired in 1895.

Gifts of Museum publications, including reproductions of prints and drawings by old masters, and electrotypes of British historical medals, have been made to Free Public Libraries, Local Museums, and Art Schools throughout the United Kingdom.

The following are the publications issued by the Departments at Bloomsbury during the year:—

Continuation of the General Catalogue of the Library, quarto, 17 parts, viz.:—Bible, Part II.; Scotland; Shakespeare (William); Squabb-States of the Church; T-Tan 'Houm; Tani-Tayliie; Taylor-Templars; Temple-Thaarup; Thabaud de Latouche-Thiaut; Thibaldeo-Thomlinson; Thom-

men - Thraddlepin; Thraemar - Timour; Timpe - Tomlyns; Tommai-Toulet; Toulgoet-Tremsinsky; Tren-Troy; Troy, New York,-Turistlif; and two excerpts, "Shakespeare (William)" and "Bible, Part II.

Catalogue of Accessions to the Library, quarto, 26 parts.

A Subject Index of the Modern Works added to the Library of the British Museum in the years 1891–95.

The Poems of Bacchylides. Text, and autotype facsimile.

Catalogue of Greek Coins in the British Museum: Caria, and the Islands. By B. V. Head.

——— Lycia, Pamphylia, and Pisidia. By G. F. Hill.

Facsimiles from Early Printed Books in the British Museum. 32 plates.

Facsimiles of Royal, Historical, Literary, and other Autographs in the Department of Manuscripts. Third Series. Nos. 1 to 30.

Reproductions of Prints in the British Museum. New Series. Part VI. (Specimens of line-engraving by Masters of Germany and the Low Countries, 1530–1620). 15 plates.

British Museum,
31 March 1898.

E. Maunde Thompson,
Principal Librarian and Secretary.

IX.—PROGRESS made in the ARRANGEMENT AND CATALOGUING OF COLLECTIONS, AND ADDITIONS MADE TO THEM, in the Year 1897. (Bloomsbury.)

DEPARTMENT OF PRINTED BOOKS.

I. *Arrangement.*—The works added to the collection during the past year have, as far as possible, been placed on the shelves of the Library according to the system of classification adopted in the Museum.

The press-marks, indicating their respective localities, have been marked on the inside and affixed to the back of each volume; also on the title-slips.

The total number of these press-marks amounts to 77,366; in addition to which, 47,268 press-marks have been altered, in consequence of changes and re-arrangements carried out in the Library; 40,309 labels have been affixed to books and volumes of newspapers, and 105,022 obliterated labels have been renewed.

The process of attaching third-marks to the books in the New Library, with the view of accelerating their delivery to readers, has been continued; 20,298 books have been thus marked during the year, and the corresponding alterations, amounting to 62,722, have been carried out in the General and Hand Catalogues; 2,698 volumes of country newspapers have also been numbered, and for London and country newspapers 4,726 index-slips have been written.

The number of stamps impressed upon articles received has been 344,699.

Nearly 3,000 presses of books and newspapers have been dusted in the course of the year.

II. *Catalogues.* — (*a*) *Cataloguing.* — 42,828 titles have been written (the term "title" applying equally to a main title and to a cross-reference). Of these, 29,677 were written for the General Catalogue, 2,687 for the Map Catalogue and 10,464 for the Music Catalogue.

(*b*) *Printing.*—37,311 titles and 545 index-titles for the General Catalogue, 2,089 titles for the Map Catalogue and 15,892 titles for the Music Catalogue have been prepared for printing during the year, and 37,071 title-slips and 854 index-slips for the General Catalogue 1,055 title-slips for the Map Catalogue and 15,892 title-slips for the Music Catalogue were printed off.

Progress has also been made in printing the whole Catalogue in alphabetical sequence from the beginning. With

the exception of the headings "England," "France," "Germany," "Great Britain," "Liturgies," and part of "Bible," the entire Catalogue was either printed or in the press at the end of 1897, while considerable progress has been made in the preparation of all the headings specified.

Ninety-two manuscript volumes have been prepared and sent to press during the year, and 17 printed parts, representing 120 manuscript volumes, have been delivered by the printer.

(*c*) *Incorporation.*—(1) *General Catalogue.*—35,571 title-slips and 736 index-slips have been incorporated into each of the three copies of this Catalogue. This incorporation has rendered it necessary, in order to maintain, as far as possible, the alphabetical arrangement, to remove and re-insert 41,187 title-slips in each copy, and to add to each copy 1,152 new leaves; while, in the preparation of the manuscript volumes for printing, it has been necessary to remove and re-insert 34,616 title-slips in one copy only.

The system of fortnightly incorporation, introduced in 1889, has been carried out with perfect regularity during the past year.

(2) *Hand Catalogues.*—The number of new entries made in the Hand Catalogue of "Academies" was 214; in that of "Periodical Publications," 512; in that of Maps and Charts, 2,205; and in the Hand Catalogues of London and of Country Newspapers, 1,100 and 3,626 respectively.

(*d*) *Map Catalogue.*—2,687 titles have been written for the Map Catalogue, and 1,017 title-slips have been incorporated into each of the three copies of it. This incorporation has rendered it necessary to remove and re-insert 1,093 title-slips in each copy and to add in each copy 8 new leaves.

(*e*) *Music Catalogue.*—10,464 titles have been written for the Music Catalogue, and 5,656 title-slips have been incorporated into each of two copies of it. This incorporation has rendered it necessary to remove and re-insert 6,391 title-slips in each copy and to add to each copy 78 new leaves.

(*f*) *Shelf Catalogue.*—For this Catalogue, in which the title-slips, mounted on cartridge paper, are arranged in order of press-marks, about 35,830 have been so mounted, and about 147,300 have been incorporated into the boxes.

(*g*) *Catalogues of Books of Reference in the Reading Room.*—The additions and alterations in each of the three interleaved copies of the Catalogue of Books of Reference in the Reading Room, which are requisite in order to record the changes in this collection by the addition of new works, and the exchange of old for new editions, have been made. The number of additions to each copy has been 26.

The collection of books in the galleries of the Reading Room has continued to receive additions by the incorporation of new works of interest and importance, and the substitution of new for older editions. The number of additions to each of the two interleaved copies of the Catalogue of this collection has been 107.

(*c.*) *Publications.*—A third volume of "A Subject Index of "the Modern Works added to the Library of the British "Museum, comprising additions made during the years "1891–1895," and compiled, like the two preceding ones, by Mr. G. K. Fortescue, Senior Assistant Keeper in the Department, was printed and issued by the Trustees in the early part of last year. It is formed upon the same plan as the two former and contains about 47,750 entries.

Another work prepared and published during the year, "Facsimiles from early printed Books in the British Museum," consists of reproductions, mostly by photo-lithography, of thirty-six "selected pages from representative specimens of "the early printed books of Germany, Italy, France, Hol-"land and England, exhibited in the King's Library." The permanent exhibition of books illustrating the history of printing, on view in the King's Library, has been found of great value and interest by students able to consult it. In this publication an attempt was made to reproduce, at a moderate price, its most characteristic features, so as to make them available for comparison in other libraries, and for general reference away from the Museum.

III. *Binding.*—The number of volumes and sets of pamphlets sent to be bound in the course of the year has been 22,013, including 3,652 volumes of newspapers. In consequence of the frequent adoption of the plan of binding two or more volumes in one, the number of volumes returned has been 9,896; in addition to which 187 pamphlets have been separately bound, and 229 volumes have been repaired at the binder's.

Besides this, the following binding work has been done in the Library itself:—5,901 volumes have been repaired; 348 broadsides, &c., have been inserted in guard-books, and 2,930 volumes of reports, time-tables, parts of periodicals, &c., have been formed, in a light style of binding.

The following maps, charts, &c., have also been bound or mounted during the year:—36 atlases, 9 volumes of the Ordnance Survey of Towns, 59 volumes of the 25-inch Ordnance Survey, and 3 volumes of the 6-inch Ordnance Survey have been bound; 104 sheets of the 1-inch Ordnance Survey, 328 sheets of the English Admiralty Charts, 37 sheets of the "Hydrographie française," and 363 general maps have been mounted on linen, and 295 maps, &c., mounted on cards.

IV. *Reading Room Service.*—The number of volumes returned to the General Library from use in the Reading Room has been 868,731; to the Royal Library, 21,633; to the Grenville Library, 1,606; to the Map Room, 3,545; to the presses in which books are kept from day to day for the use of readers, 518,506; and to the Oriental Department, 5,138; making a total amount of 1,419,159 volumes supplied to readers during the year. The number of readers during the year has been 188,628, giving an average of over 624 daily, the room having been open on 302 days, and an average of over seven volumes daily for each reader, not reckoning those taken from the shelves of the Reading Room by the readers themselves.

Newspaper Room.—The number of readers during the year has been 16,375, giving a daily average of 54. The number of volumes replaced after use was 47,252, giving a daily average of nearly three volumes to each reader, not reckoning those, chiefly volumes of Parliamentary Papers, taken from the shelves of the Newspaper Reading Room by the readers themselves.

Map Room.—315 visitors have been admitted to the Map Room for the purpose of special geographical research.

V. *Additions.*—(*a*) 26,929 volumes and pamphlets (including 124 atlases, &c., and 1,355 books of music) have been added to the Library in the course of the year, of which 5,962 were presented, 12,175 received in pursuance of the laws of English copyright, 718 by colonial copyright, 480 by international exchange and 7,594 acquired by purchase.

(*b*) 64,285 parts of volumes (or separate numbers of periodical publications and of works in progress) have also been added, of which 2,850 were presented, 37,319 received in pursuance of the laws of English copyright, 202 by colonial copyright, 357 by international exchange and 23,557 acquired by purchase.

(*c*) 1,166 maps, in 5,222 sheets, have been added to the collection in the course of the year, of which 626 maps, in 775 sheets, were presented; 333 maps, in 3,851 sheets, received under the provisions of the laws of English copyright, 14 by colonial copyright, and 193 maps, in 582 sheets, acquired by purchase.

(*d*) 4,922 pieces of music, each complete in itself, have been acquired by copyright during the year.

(*e*) The number of newspapers published in the United Kingdom, received under the provisions of the Copyright Act during the past year, has been 3,315, comprising 209,752 single numbers; 1,239 of these newspapers were published in London and its suburbs; 1,603 in other parts

of England and Wales and in the Channel Islands; 270 in Scotland, and 203 in Ireland; 16 volumes of an old newspaper have been purchased; 194 sets, containing 21,569 numbers of foreign and colonial newspapers, together with 36 parcels of foreign and 31 volumes of colonial newspapers have been presented; 84 sets, containing 12 volumes and 22,626 numbers of modern foreign and colonial newspapers, have been purchased; and 10 sets, containing 1,319 numbers, have been received by colonial copyright.

(*f*) The number of distinct works comprised in the 26,929 volumes and pamphlets, the 64,285 parts of volumes, the 1,166 maps and the 4,922 pieces of music already mentioned, amounts, as nearly as can be ascertained, to 30,335. Of these, 5,666 were presented, 17,167 acquired by English copyright, 728 by colonial copyright, 352 by international exchange and 6,422 by purchase.

(*g*) 3,492 articles have been received in the Department not included in the foregoing paragraphs, comprising broadsides, Parliamentary Papers, and other miscellaneous items. The addition of this number to those already given produces a total of 104,398 articles received in the Department in the course of the year.

Acquisitions of Special Interest.—The number of remarkable books acquired during 1897 has been less considerable than usual, but several of the acquisitions have been of the very highest importance.

One of the most important acquisitions has been a series of 89 autotype facsimiles of printed proclamations of the Sovereigns of England from Henry VII. to Philip and Mary, made, by permission of the Society of Antiquaries, from the collection, in most cases consisting of unique documents, in the Society's Library. To convey an idea of the importance of this collection, it will suffice to state that it contains thirty of the proclamations of Henry the Eighth, comprised in the Earl of Crawford's list in the "Bibliotheca Lindesiana," the Museum, until the reception of the facsimiles, having had only six; and that every known proclamation of Queen Mary exists as an unique document at the Society of Antiquaries, with the exception of one, likewise unique, recently purchased by the Museum.

Five of the books acquired during the year are of exceptional bibliographical interest. They are:—

I. The "Doctrinal of Sapience," printed by William Caxton, in 1489, purchased at the sale of the first portion of the Earl of Ashburnham's library, a fine copy, perfect with the exception of two leaves supplied in facsimile. It need not be said that the acquisition of a Caxton by the Museum or any public library is a very infrequent occurrence. With the exception of two bought respectively in 1883 and 1890, and fragmentary leaves, some belonging to books otherwise

unknown, obtained in 1871, the Museum had acquired no Caxton for more than thirty years previous to the Ashburnham sale. The purchase of the "Doctrinal" is especially important, as none of the eleven known copies are likely to come at any time into the market.

II. At the Ashburnham sale was also purchased Chaucer's Troylus and Creseide, printed by Wynkyn de Worde, in 1517, the only important sixteenth century edition of a work of Chaucer's in which the Museum library was still deficient.

III. In the Malermi Bible, Venice, 1490, the Museum has obtained one of the greatest of bibliographical treasures. This Bible, so called from the name of the translator or editor, was first printed at Venice in 1471. In 1490 it was republished with a very great number of most elegant woodcut illustrations, the designs for which have been at different times attributed to various celebrated artists. Some of them were reproduced in the edition of 1492, but the edition of 1490 is the only one fully illustrated, and is a renowned example of Italian design at its best. It is so rare that no copy is known to have previously occurred at any auction sale in England.

IV. The purchase of a fine vellum copy of the Decretals of Boniface VIII., Petrus Schoeffer, Mentz, 1476, is of importance as completing the Museum set of the four Mentz editions of the Decretals. Three of these are upon vellum.

V. There could hardly be a greater contrast in externals than that between the stately Mentz folio and a dingy little tract purchased at the same time, "Michael Howe, the last and worst of the Bushrangers," Hobart Town [1817]; and yet the latter is the more interesting of the two, for, gazettes and fly sheets apart, it is the first book printed in Australasia. There is a copy in the Bodleian, beyond which none is known to have occurred since the publication of an article in the Quarterly Review for May 1820, when the Reviewer said, "This little book will assuredly be the 'Reynarde the Foxe' of Australian bibliomaniacs."

Besides the Malermi Bible the Museum has made an important addition to its biblical collection in the first Polish Roman Catholic version of the New Testament, printed at Cracow in 1556, in opposition to the Protestant version of 1551. Nine copies exist in Polish libraries, but, until the occurrence of the present copy, none is known to have been offered for sale out of that country. The diction is regarded as a model of classical Polish.

The most important Liturgy purchased is a vellum copy of the Hieronymite Missal printed by Georgius Coci at Zaragoza in 1511, a most beautiful book, considered by the printer himself as one of the finest examples of his art, and especially interesting as one of the first instances of music printing in Spain. Only three other copies are known. A

beautiful Venetian Breviary of 1490, on vellum, purchased at the Ashburnham sale, is also a valuable acquisition.

Among miscellaneous purchases of remarkable foreign books, the following may be especially mentioned: Dupin, Livre de boñe vie, qui est appellé mädevie, Chambéry, 1485, the third book printed at Chambéry; Les Grandes Merveilles [Paris, 1530 ?] a very curious satire on the voyagers of the time, apparently unknown to bibliographers; Fleur de la vraye poësie Françoyse, a rare undated edition not mentioned by Brunet; a beautifully printed French translation of Petrarch's Trionfi, Paris, 1520; Luxembourg, Oraison de Marie de Clèves, 1549; Machiavelli, Il Prencipe, Roma, 1532; Aonio Paleario, Ad Lucenses, 1551, extremely rare; Gaspar Gomes, Tercera parte de la tragedia de Celestina, Toledo, 1539, also of the highest rarity; Caesarius Cisterciensis, Dialogi Miraculorum, Ulric Zell, Cologne; Copia de diversas cartas de algunos padres y hermanos de la compañia de Jesus, Barcelona, 1556; Ordine della Compagnia del Salvatore, Brescia, 1581; Lettre Circulaire des Dames Religieuses de la Visitation de Chaillot sur les dernières années du feu Roy d'Angleterre, Jacques II., one of a series of letters acquired at the same time, printed and privately issued by the nuns on occasion of the deaths of members of the convent or of persons especially connected with it.

The most important accession in early English literature, after those already mentioned, is of very great interest, being an unique and hitherto unknown edition of the fourth century of Heywood's Epigrams, London, 1560. So late as 1891 Heywood's Epigrams were stated upon high authority to have been first published in 1562. In 1894, however, the Museum purchased an earlier edition, also unique as far as known, of the first three centuries, and this edition of the fourth completes the set. Two exceedingly rare editions of Dame Juliana Berner's Boke of Hawkynge, Huntynge and Fysshynge, one undated, printed by John Waley and another printed by Edward Allde, 1586, were bought at the Ashburnham sale. In the Manipulus Curatorum, Wynkyn de Worde, 1502, the Museum has acquired what may not improbably be the first dated English edition of this frequently printed book.

Four early and rare editions of works by Bunyan have been purchased — Pilgrim's Progress, Edinburgh, 1680; Pharisee and Publican, 1685; Come and Welcome, second edition, 1686; Barren Fig Tree, fourth edition, 1695. Purchases in later English literature include a great curiosity, the poems of John Lamb, the half brother of Charles Lamb, contemptible as poetry, but extremely scarce; the excessively rare "Fables" of John Hookham Frere, printed at Malta; and three publications connected with great English poets— the privately printed and anonymous remonstrance of John Cam Hobhouse (Lord Broughton) with the Dean and Chapter of Westminster on their exclusion of Byron's monument from

Westminster Abbey; Wordsworth's pamphlet deprecating the construction of the Kendal and Windermere Railway, Kendal, 1844; and "The Theological Inquirer," 1815, containing a series of reviews with full extracts of Shelley's Queen Mab, then only privately printed, and a reprint of the first portion of his "Refutation of Deism."

Among curiosities the most important is a copy of the fourth edition of Governor Pownall's book on the Administration of the Colonies, 1768, copiously annotated by Burke. A copy of Black's Life of Tasso with MS. notes by Leigh Hunt has also been acquired; and one of Dr. Baron's "Illustrations of the Enquiry respecting tuberculous diseases," with notes by Edward Jenner, the discoverer of vaccination, made shortly before his death. With these may be mentioned a contemporary account of the obsequies at Lisbon of Philip the Second as King of Portugal, where the royal title has been struck out throughout by a patriotic Portuguese; and a proclamation on the taking of Dominica by the British forces, directing among other things that Scotch names should be bestowed upon all the rivers in the island.

Donations.—The following are the most important donations received during the year:—

An extensive collection of Colonial newspapers for the year 1895. *Presented by the Colonial Institute.*

Eglisham (G.) Accurata methodus erigendi themata natalitia, a very scarce book. *Transferred from the Department of MSS.*

Common Prayer of 1639 with autograph of Izaak Walton, and MS. entries by him of births and deaths in his family. *Bequeathed by Miss A. A. Pickering.*

The Works of Shakespeare, 1807, with MS. notes by Samuel Taylor Coleridge. *Presented by Miss Watson, of Princes Risborough, Bucks.*

The first edition of Steele's Christian Hero, published anonymously in 1701. Extremely rare. *Presented by Colonel Francis Grant.*

Maps.—The following interesting acquisitions have been made:—

Plan of Exeter, 1587. Isca Damnoniorum Latine Exonia, Anglice Exeancestre vel Exestre, at nunc vulgo Exeter. Opera et impensis J. Hokeri hanc tabella[m] sculpsit R. Hogenbergius. [London ?] 1587. This is the earliest known engraved plan of Exeter, and is supposed to be unique.

Reduced facsimile of the "Ebstorf" Map of the World (circa 1284), coloured according to the original preserved at Hanover and edited by Conrad Miller. Text in "Mappæmundi. Die ältesten Weltkarten." Heft. V. Stuttgart, 1896. 4°.

Plan of Durham, 1595. Dunelmū. Duresme. Hanc tabulā Reverendo in Xrō patri Tobiæ Epô Du. Dignissī°

Doctissimo et patriæ sue dedicat Matth. Patteson, 1595. Christof Schwytzer fec.

Portulan de Charles Quint donné à Philippe II. Facsimile of a Portolano by Baptista Agnese, unsigned, containing eleven charts, circa 1536. The original is preserved in the Spitzer Collection at Paris.

"The plan of Quarnton, belonging to the Right Worshipful Sr Thomas Barton of Smithhills Knight. Taken by William Senior, Professor of the Mathematiques, anno domini 1620." A facsimile.

A series of six maps by Maurille Antoine Moithey:—Le Globe Terrestre, 1793; L'Afrique, 1789; Amérique Septentrionale, 1789; Amérique Meridionale, 1788; L'Asie, 1789; L'Europe, 1789.

Music.—The collection of music has been enriched by the acquisition of 236 part-books of Motets and Madrigals, printed in Italy in the sixteenth and seventeenth centuries, many of which are of great rarity. Among them may be mentioned a set of five Tenor Part-Books of Masses and Motets, probably printed at Venice by Andreas Antiquus about 1520; nine sets of part-books by Grammatio Metallo; the "Magnificat" of Simon Boyleau (Milan, 1566), Motets by P. Zallamella (Venice, 1582), Gemignano Capilupi (Venice, 1603), Francesco Colombini (Venice, 1626), and Guglielmo Lipparini (Venice, 1629). A most important purchase has been made of a unique copy of the "Recerchari, Motetti, Canzoni, Composti per Marcantonio di Bologna," printed by Bernardino of Vercelli at Venice in 1523, a work which is not only the earliest published collection of compositions for the Virginal, but is also the earliest instrumental music printed in modern notation. Another valuable acquisition is the beautifully engraved "Libro della Chitarra Spagnola," by the Academico Caliginoso, a composer whose identity has not been ascertained.

R. Garnett.

Department of Manuscripts.

1. *Catalogue of Additions.*—The Catalogue of Additions for 1895 has been copied six-fold, bound and distributed. The descriptions of Additions for 1896 have been copied six-fold, and the Index to them is in process of copying. The Additional MSS. 35,071–35,155, and the Egerton MSS. 2807, 2808, acquired in 1897, have been described and indexed.

2. *Catalogue of the Royal and King's MSS.*—The preparation of the new Catalogue is in progress, one hundred and eighty-six Royal MSS., and two hundred and eighteen King's MSS. having been described.

3. *Catalogue of the Sloane MSS.*—The Index has been revised from Mi to Sc.

4. *Catalogue of Papyri.*—The text and facsimile of the Papyrus containing the Poems of Bacchylides have been published.

The preparation of Volume II. of the Catalogue of Papyri is in progress. Sheets R—AA, and Q—X second revise, have been collated. The facsimiles are ready for publication.

Fourteen Papyri acquired in 1896, and seven acquired in 1897, have been described.

5. *Catalogue of Seals.*—The Fifth Volume, containing descriptions of the Byzantine Bullæ and the Seals of France, is completed. The Index and Plates are at the press.

Eighty-four new casts have been arranged and registered.

6. *Catalogue of Romances.*—Descriptions of twenty-one MSS. for the Third Volume have been drawn up.

7. *Catalogue of Music.*—Articles contained in three hundred and twenty-nine MSS. have been described.

Eight MSS. have been described for the Catalogue of Liturgies, with music.

8. *Catalogue of Charters and Rolls.*—The final revision for the press of the General Index of names and subjects in the several collections of Charters and Rolls acquired before the year 1882 is in progress. The remainder of the topographical division has been revised, the whole is at the press, and sheets B—H, comprising A, B, and portion of C, have been revised.

Forty-five Additional Charters and Rolls (44,661–44,705), acquired during the year, have been numbered and arranged in boxes.

9. *Classed Catalogue.*—An Index of first lines of 1,440 Latin Prose Theological Tracts (M—S of the subject-headings in the classed Catalogue) has been prepared.

10. *Exhibitions.*—A temporary exhibition of MSS. and other documents illustrating the history of the Church of England from the time of Augustine was arranged in the King's Library at the time of the Conference of Bishops at Lambeth Palace in July.

11. *Arrangement of Papers.*—Additional MSS. 35,072, 35,126–35,133, acquired in 1897, have been arranged.

12. *Autographs.* — The third series of "Facsimiles of Royal, Historical, Literary, and other Autographs" has been published.

13. *Binding.*—Two hundred and eleven Additional and three Egerton MSS., newly acquired, and two hundred and ninety-one MSS. of the old collections have been bound or repaired.

Forty-nine Charters and Seals have been repaired.

Fifty-three Papyri have been glazed.

Sixty-two Printed Books have been bound.

14. *Verification.*—The several collections of Manuscripts and 1,369 boxes of Charters have been verified by the Shelf-lists.

15. *Stamping, folioing, and placing.*—Seventy Additional and five Egerton MSS. have been placed and entered in the Hand-lists and Shelf-lists.

Forty-five Charters and a hundred and seventy-nine Rolls have been placed. Six hundred and sixteen Charters and Rolls have had their numeration written on the backs.

Two hundred and eight Additional MSS. and five hundred and seventy-six Charters and Rolls have been stamped with a total of 18,947 impressions.

One hundred and seventy-nine MSS. have been folio'd with a total of 37,885 folios; and the Slip Indexes of Additions for 1896, with 6,205 folios. The Charter index slips have been folio'd, amounting to 22,064 folios.

16. *Consultation of MSS.*—The number of MSS. consulted in the Students' Room attached to the Department is 30,909, and of those delivered to the Reading Room 894.

The number of Charters and Rolls consulted by the Students is 716.

The number of Students working in the Department during the year is 9,972.

The Magna Carta has been exhibited to 2,331 Visitors in the Department.

17. *Books of Reference.*—One hundred and forty-eight newly-acquired volumes and parts have been catalogued. The revision of the Catalogue is in progress.

18. *Acquisitions.*—The number of Manuscripts and Documents acquired during the year is :—

General Collections of MSS.	85
Rolls and Charters	45
Detached Seals and Casts	84
Papyri	7
Egerton MSS.	2

The largest acquisition during the past year has been a further portion of the papers and correspondence of Admiral Viscount Nelson (of which a previous portion was purchased by special grant in the year 1895). The collection now acquired consists of several pressed-letter books of his autograph letters, three autograph diaries, log-books of H.M.S. "Victory" and of other vessels, with numerous miscellaneous papers.

Among the other acquisitions are :—

The Poems of Bacchylides, on papyrus, of the first century B.C. This is the only known manuscript of this poet, whose works have been lost for over a thousand years. It is written in a fine uncial hand, and contains twenty poems (six belonging to a class of Greek poetry of which no complete specimen has hitherto been extant); six of the poems are complete, and eight are represented by substantial portions, while six are mere fragments. An annotated edition of the poems has been published, together with a photographic facsimile of the papyrus.

Homer's Iliad, books XIII. and XIV., on papyrus, of the first century, written in a neat uncial hand.

Evangelistarium, in Greek; early 12th century. Vellum.

Octateuch, in Greek, with a copious marginal catena; early 13th century. Vellum.

Sallust's Catilinarian and Jugurthine Wars; written in Italy in 1192. Vellum.

Lives of Saints, in Latin, including St. Cuthbert, St. Columba, St. Aidan, and St. Edward the Confessor. Vellum. Belonged to the "Fratres Heremitæ" of St. Augustine, at Newcastle.

"Mariale": a collection of miracles, hymns, etc., in Latin, relating to the Virgin, with Bede's verses on St. Etheldreda, etc.; compiled in the 12th century, and formerly belonging to the Abbey of St. Martin, at Tournai. Vellum.

Romance of Barlaam and Josaphat, in Latin; 12th century. Vellum. Belonged to the Abbey of Weissenau, in Suabia.

Vision of Tundal, Bernard "de contemptu mundi," and other Latin works in prose and verse; 13th century. Vellum.

Facsimile of an Irish MS. at Stockholm, containing a copy of "Imram Brain," or the Voyage of Bran, etc. *Presented by Prof. Whitley Stokes,* C.S.I.

Chronicle of England, known as the "Brut Chronicle," in French, ending in 1272; 14th century. Vellum.

Chronicle of the Brut, in French, ending in 1322; 14th century. Vellum.

Year-book of law-cases, 1–19 Edw. II., 1307–1326; 14th century. Belonged to Serjeant Sir John Maynard, and used for the basis of the edition printed in 1678. Vellum.

Collection of pleas, 1300–1312, made by an anonymous compiler; arranged by subjects under the titles of writs, etc. Vellum.

Original wardrobe-book of Edward II. for 1307–1308. Vellum.

Original wardrobe-book of Edward II. for 1323–1324. Vellum.

Original wardrobe-book of Richard II. for 1392–1393. Vellum.

Return of benefices untaxed in the city and diocese of London, and of chaplains of chantries receiving stipends, etc.; 1420. Vellum roll.

Correspondence of the family of Maitland, 1532–1698, chiefly of John Maitland, 2nd Earl and 1st Duke of Lauderdale, Secretary of State in Scotland, 1661–1682. (The volume is supplementary to the large collection of Lauderdale papers acquired in 1859 and 1860.)

Autograph Memoranda by John Winthrop, afterwards Governor of Massachusetts, as Attorney of the Court of Wards and Liveries; 1623–1630.

Register of letters of John, 1st Viscount Scudamore, when Ambassador to France, chiefly addressed to Sir John Coke, Secretary of State; 1635–1639.

Original order-book of the Parliamentary Committee for Sequestrations in co. Warwick; 1646–1649.

Records of the proceedings in the Consistory Court of Dumfries; June, 1654–August, 1655.

Original correspondence of Sir Robert Southwell, Envoy to Portugal; 1654–1699.

Letter-books of Francis Parry, Envoy to Portugal; 1668–1686. Two volumes.

Original day-book of the Trustees for satisfying the arrears of pay to the army for service in Ireland; 1656–1659.

Privy Council Minutes and Memoranda, chiefly in the hand of Edward Southwell, Clerk to the Council; 1660–1708.

Register of royal warrants and other precedents, 1661–1665, 1674–1682. Apparently made for official use and formerly belonging to Francis Gwyn, Clerk to the Council, 1679–1685, and Under Secretary of State, 1681–1683.

Official entry-book of Royal grants; 1672–1706.

"The designed Loyaltie of the renowned Generall George Moncke," written by his chaplain, John Price; 1676. With autograph corrections and a long postscript, which, with other matter, is not included in the printed text of 1680.

Letter-book of Edward, Earl of Conway, Secretary of State; 1680–1683.

Papers relating to Danish troops in England; 1684–1690.

Original official correspondence of Dr. John Robinson, Envoy to Sweden, with William Blathwayt, Secretary at War; 1693–1702. Two volumes.

Anonymous narrative and poems relating to the Greek revolution of 1821–3, from the papers of Thomas Gordon, Major-General in the Greek army. *Neo-Greek. Presented by Sir Theodore Martin,* K.C.B.

A leaf of the original MS. (Egerton MS., 1,661) of Sir Walter Scott's novel of *Kenilworth. Presented by Sir Theodore Martin,* K.C.B.

Autograph poems, &c., of Walter Savage Landor; 19th cent. *Presented by Stephen Wheeler, Esq.*

"Garden Kalendar" of the Rev. Gilbert White, of Selborne; 1751–1767. The continuation of this Kalendar, 1768–1798, under the title of "The Naturalists' Journal," was acquired in 1881.

Thirty original letters of the Rev. Gilbert White, of Selborne, to Thomas Pennant, afterwards embodied in the *Natural History of Selborne,* 1789; 1767–1773.

Correspondence of Arthur Young; 1764–1820. Eight volumes. From these letters he composed his large work "Elements and Practice of Agriculture, 1818," which was acquired in 1896.

Correspondence of Richard Brinsley Sheridan, with other papers relating to his family or to Drury Lane Theatre; 1770–1827.

Correspondence and papers, political and private, of Francis Place, of Westminster, the Reformer; 1771–1850. Thirteen volumes (supplementary to seventy acquired in 1868). *Presented by F. C. Miers, Esq.*

Original letters and papers of scientific and literary men; 1784–1877. *Presented by S. G. Perceval, Esq.*

Literary correspondence of the Rev. Charles William Boase and George Clement Boase, joint-author of *Bibliotheca Cornubiensis,* 1874; 1845–1894. *Presented by George C. Boase, Esq.*

Letter from H.R.H. the Prince Consort to the Earl of Shaftesbury; 13th April, 1856. *Presented by H.M. the Queen.*

Letter from Count Cavour to Count Costantino Nigra; 7 Sept. 1857. *Presented by Count Nigra.*

Letter from Elizabeth Barrett Browning to H. F. Chorley; [Sept.—Oct. 1859]. *Presented by R. Barrett Browning, Esq.*

"Mélanges sur l'Angleterre": a journal by François, Comte de la Rochefoucauld, residing in England, chiefly at Bury St. Edmund's, in 1784.

Autograph journal by Charles Burney, Mus. Doc., of a tour in Italy and France in 1770, forming the basis of his *Present State of Music in France and Italy*, 1771.

Autograph journal of Lieut. George Peard on a voyage with Capt. Beechey to the Pacific and Behring's Straits in 1825–1828; including an account of a visit to Pitcairn's Island, and the narrative of John Adams, last survivor of the mutineers of the "Bounty."

Diaries of C. B. Vignoles, F.R.S., Civil Engineer; 1830–1833. *Presented by his son, Rev. O. J. Vignoles, who in* 1894 *presented similar diaries,* 1834–1862.

Proofs of the nobility of the family of Succa, by H. de Succa; after 1779. *French. Presented by Mrs. Sophie de Succa-Sewell.*

A large collection of Rubbings of English and Foreign Brasses and Incised Slabs, formed by the Rev. William Creeny, of Norwich; 19th century. *Bequeathed by the Collector.*

Minute-books, rate-books, and other records of the trustees of Lincoln's Inn Fields, London; 1735–1893. Ten volumes. *Presented by the late Trustees of Lincoln's Inn Fields.*

Grammar and vocabulary of the Aimará Indians in Bolivia, compiled by Richard Inwards in 1866. *Presented by R. Inwards, Esq.*

Motets and songs by Flemish composers; *circ.* 1530–1540. Vellum. *Presented by Herbert Thompson, Esq.*

Bass part to Palestrina's "Offertoria" for five voices, published in 1593.

Arias from operas, in score, by Baldassare Galuppi; 18th century. *Presented by R. A. Streatfeild, Esq.*

Scena in the autograph of Sir H. R. Bishop, 1807; and lute music by J. Dowland, in modern score. *Presented by A. Hughes-Hughes, Esq.*

"The Brides of Venice": an autograph opera in full score, by Joseph F. Duggan; 19th century. Two volumes. *Presented by Mrs. Julia St. George.*

Edward Scott.

Department of Oriental Printed Books and Manuscripts.

Cataloguing and Arrangement.

The numbers of the sheets of the various Oriental Catalogues sent to press in 1897, are :—Arabic, 11 sheets; Coptic MSS., 2 sheets; Gujarati (Accessions), 4 sheets; Hebrew (Accessions), 5½ sheets; Hebrew MSS., 5 sheets; Hindustani MSS., 13 sheets; Japanese, 4½ sheets; Sanskrit (Accessions), 2½ sheets; Sanskrit MSS., 1 sheet; Sinhalese MSS., 10 sheets.

The numbers of Titles written for the Catalogue are :—Angami Naja, 2; Arabic, 1,206; Armenian, 291; Assamese, 7; Bengali, 363; Bugis, 2; Burmese, 5; Chinese, 93; Ethiopic, 2; Garo, 4; Gujarati, 40; Hebrew, 401; Hindi, 149; Hindustani, 404; Japanese, 312; Javanese, 2; Khassi, 2; Kond, 9; Malay, 59; Maltese, 27; Manipuri, 4; Marathi, 55; Mondari, 6; Oriya, 11; Panjabi, 63; Persian, 145; Pushtu, 54; Sanskrit, 271; Santali, 4; Sindhi, 28; Sinhalese, 179; Syriac, 49; Tamil, 10; Turkish, 56.

One hundred and forty-eight Hebrew and Samaritan MSS., 157 Sanskrit MSS., and 46 Sinhalese MSS. have been fully catalogued.

Short descriptions of 224 MSS. have been entered in the Descriptive List, the Register, and the Classed Inventory. The descriptions of 56 Hebrew and Samaritan MSS.; 55 Sanskrit MSS.; and 139 Sinhalese MSS., have been revised. Fifteen Printed Books (ff. 2769), and 247 MSS. (ff. 29001) have been folioed.

The number of Oriental Printed Books consulted by readers during the year is 5,138, and the number of Oriental MSS. 3,024.

Binding.

The numbers of Printed Books and MSS. sent to the binders are: Arabic Books, 221; Chinese Books, 176; Hebrew Books, 17; Sanskrit Books, 200; MSS., 127; Pamphlets, 226.

Additions.

The number of works added to the Department during the year is 1,999, of which 1,768 are Printed Books and 231 are MSS.

Of the Printed Books, 582 were bought; 925 were received under the India Copyright Act and 114 under the Colonial Copyright Act; 147 were presented.

The MSS. are:

Arabic	25
Armenian	10
Batak	1
Coptic	6
„ and Arabic	5
Ethiopic	2
Gujarati	1
Hebrew	1
Hindi	1
Hindustani	1
Javanese	1
Laos	1
Manchu	1
Pali in Cambodian character	1
„ Sinhalese character	2
Persian	10
Prakrit	67
Sanskrit	78
Sanskrit and Sinhalese	2
Shan	1
Sinhalese	6
Syriac	2
Turkish	6
	231

The most important acquisitions are:—

Arabic MSS.—1. Kitāb al-adwiyat al-Ḳalbīyat: a treatise on medicine by Ibn Sīnā, very finely written; A.D. 1352. 8°.

2. Al-Kashshāf: a commentary on the Koran, by al-Zamakhsharī (XIIth cent.), very finely written and illuminated; A.D. 1482. 8°.

3. Tadkirat al-Kaḥḥālīn: a treatise on the Diseases of the Eye, by ʻAli ibn ʻIsa al-Kaḥḥāl; A.D. 1491. 8°.

4. The Forty sayings of Muḥammad, with a paraphrase in Persian verse by Jāmī (XVth cent.); every page richly illuminated; XVIth cent. 8°.

5. A collection of forty traditions, bearing on the respect and consideration due to Muhammadans; written for the Mamluk Aḳ-Bulāt, by order of his master, the Egyptian Sultan Abu al-Naṣr Ḳānisauh al-Ghūrī; XVIth cent. 8°.

6. Three pieces dedicated to Sultan Sulaimān I. (reigned A.D. 1520–1567), namely: 1. A panegyric on the Sultan;

2. Jāmi' al-aṣlain, in praise of Winter and Spring; and 3. Rashḥ al-bāl fi sharḥ al-ḥāl, a moral masnavi in Persian; XVIth cent. 8°.

7. Kitāb al-ṭabīkh: a treatise on Cookery, by Muḥammad ibn al-Ḥasan al-Kātib al-Baghdādī; XVIth cent. 8°.

8. Kitāb masālik al-mamālik: the Geography of Abu Isḥāk al-Istakhri (Xth cent.); illustrated with 21 original maps; copied apparently from a MS. dated A.D. 1477. Sm. fol.

9. Transcripts of thirteen works by the Báb and his followers, relating to the dissenting Doctrines held by them, and on account of which they have suffered fierce persecution at the hands of the orthodox Muhammadans; XIXth cent. 8°.

Armenian MSS.—1. The Gospels, followed by the Apocalypse; very finely written and adorned with miniatures of very excellent workmanship; XIIIth cent. 4°.

2. Sharakan, or Hymn book of the Armenian Church, with illuminations; XVth cent. 12°.

3. A History of the Albanians of the Caucasus, by Moses Kalankaitouatsi (Xth cent.), XVth cent. 8°.

4. Two Tales: 1. The History of the City of Copper, from the Turkish; 2. The History of Josaphat and Barlāam; A.D. 1605. 8°.

5. The Chronicles of Kirakos of Gantzak (XIIIth cent.), Matthew of Edessa (XIIth cent.), and Thomas of Metzoph (XVth cent.); A.D. 1660. 4°.

Batak MS.—A Batak text engraved on Bamboo.

Chinese Books.—1. The Hwang Ch'ao king she wăn suh peen, commonly known as the "Blue Book of China," containing the views of the highest officials of the Empire on domestic and foreign politics. Thirty-two volumes. 1888. 8°.

2. Several large and interesting bilingual and trilingual vocabularies of the languages of Mongolia, Tibet, Korea and Manchuria; XIXth cent. fol.

Coptic MSS.—1. A Lectionary of the Holy Week and Easter, in Bohairic and Arabic; XIVth cent.

2. A Theotokia, in Bohairic and Arabic; XVIIth cent.

3. Doxologies for certain Religious Festivals, in Bohairic and Arabic; XVIIth cent.

4. Biblical Texts, especially a page from the Ahmimic version of the Epistles of Jude and James, the only New Testament text in this dialect known;

Ethiopic MS.—An extensive work on the Ecclesiastical Calendar; XVIIth cent. Probably from the Magdala Library.

Hebrew MS.—Debash Vechalav: Novellae on Talmudical Tractates, by David ben Shoshan; XVIIth cent.

Hebrew Books—1. A Spanish translation of the daily Prayers in use among the Spanish-Jewish Congregation at Amsterdam. Amsterdam; 1695. 8°. In tortoiseshell binding.

2. Readings for the eve of Hosa'nah Rabbah, the last day of the Feast of Tabernacles. Amsterdam; 1733. 8°.

Korean MS.—A coloured Map of Korea in 21 Parts, arranged according to the political divisions of the country; XIXth cent. 8°.

Pali MSS.—The Padatthayojanā: an explanation by Ñānakitti of the Samantapāsādikā, the celebrated commentary by Buddhaghosa on the Vinaya, or Disciplinary Section of the Buddhist Canon; written in the Cambodian character; XIXth cent. A handsome MS. enclosed within boards inlaid with Mother of Pearl.

2. The Papañcasūdanī: a Pali commentary of the Vth cent. by Buddhaghosa on the Majjhima-nikāya; XIXth cent.

Persian MSS.—1. The Bahāristān, or Garden of Spring, of Jāmī, very finely written, in a graceful nastalik hand, with illuminated title pages and gold-ruled borders; A.D. 1494. 8°.

2. The Gulistān, or Rose Garden of Sa'dī, finely written and containing thirteen full-page miniatures by Persian and Indian Artists; A.D. 1567. fol.

3. The Rāmāyana, translated into Persian; a fuller version than those in the Museum; XIXth cent.

Persian Book.—Takwīm al-dīn: a work on the Jehad, or Holy War, commonly known as the "Amir's Book." 1888. 8°.

Sanskrit MSS.—1. Sarvasiddhānta; a Sanskrit work on the Zodiac and Astrology, written at Benares, and handsomely illuminated; early XIXth cent.

2. A collection of 144 Indian MSS. purchased from Dr. Jacobi, of Bonn, of which the following are the most important:—

1. Smṛityarthasāra: a Sanskrit work on Religious Observances, by Srīdhara; A.D. 1419.
2. Considerable fragments, believed to be unique, of a treatise on Sanskrit verbal roots composed in A.D. 1623 by Sādhusundara, a Jain monk; A.D. 1690.
3. Kriyāratna-Samuććaya: On the same subject as the above, composed in A.D. 1410, by the Jain monk Devasundara; XVIIth—XVIIIth cent. The only known copy in Europe.

4. Sāmudrikatilaka: a Sanskrit work on divination by Durlabharāja; XVIIth cent. The only known copy.
5. A new recension of the Satakas (centuries of Sanskrit verse) of Bhartṛihari; XVIIIth—XIXth cent.
6. Praśnottara: a collection of Sanskrit verbal puzzles in verse, arranged to illustrate rhetorical forms of speech and illustrated by diagrams, by Jinavallabha (ob. A.D. 1110); A.D. 1603. The only known copy.
7. Subhāshita-Samuććaya: an Anthology of Sanskrit poetry; XVIth cent. The only known copy.
8. Uṇādi-nāmamālā: an etymological Sanskrit vocabulary, by Subhaśīla, a Jain author of the fifteenth cent.; XVIIth—XVIIIth cent. The only known copy.
9. Saṅgrahaṇī-Sūtra: a non-canonical Jain Prakrit text, with Sanskrit Commentary in margin, finely written by a female scribe; A.D. 1463.
10. Kalpa-Sūtra: a canonical Jain text, with rubrics and gilded illuminations; A.D. 1464.
11. Yoga-Sāstra: a work on Jain doctrine by the monk Hemacandra; A.D. 1499.
12. Vi āra-Shaṭtriṃśikā: a non-canonical Jain text in verse, with a Sanskrit commentary, and with rubrics and ornamentations; A.D 1527.
13. Uttarādhyāyana: a canonical Jain text, with rubrics and an illumination; XVIIth cent.
14. Upasthāpāna-Vidhi: a Jain ritual work, in Sanskrit mixed with vernacular; XVIIIth cent.

Sinhalese MSS.—1. Saddhamma-ratanāvaliya; a commentary on the Dhammapada, by Dhammasena Thera (XIIIth cent.); early XIXth cent.

2. An important versified table of historical events in Ceylon during the XVI–XVIIIth centuries. The only known copy.

Sinhalese Books.—Moggallāna Pañchikā-Pradīpa: a treatise on Moggallāna's system of Pali Grammar; by Saṅgharāja Srī Rāhula Mahā sthavira. Colombo, 1896. 8°.

2. Mahahaṭana: The "Great War," being a poetical account of the war between King Rājasimha II. and the Portuguese in the XVIIth cent. Colombo, 1896. 8°.

Syriac MSS.—1. The New Testament; A.D. 1245.

2. Incantations and Prayers, with a fragment of the Book of the Bee; XVIIIth cent.

Turkish MS.—A contemporary account of Napoleon's Campaign in Russia.

Robert K. Douglas.

Department of Prints and Drawings.

I.—Arrangement and Cataloguing.

The series of fifteenth century German and Flemish woodcuts, formed by the incorporation of the examples presented by Mr. William Mitchell with those previously possessed by the Museum, has been arranged in accordance with Schreiber's catalogue in thirteen solander cases. An index has been prepared, showing in comparative tables the old and the new arrangements.

The large collection of sketches and studies by George Cruikshank, bequeathed by his widow, has been sorted and arranged, the subjects being identified as far as possible.

The work of preparing, specially repairing, and mounting a small selection of the best specimen English mezzotints has been taken in hand and 219 have been so treated.

The Bulgarian, Roumanian, Servian, and modern Greek portraits have been arranged in a separate portfolio and the Turkish portraits in another.

A collection of sketches and studies by Richard Cook, R.A., for his illustrations to Scott's "Lady of the Lake," and a series of drawings of Cairo by Owen B. Carter have been arranged in albums.

The new slip catalogue of the collection of English Mezzotints has been mounted on sheets and bound.

A collection of framed duplicate prints has been lent to a local exhibition organised by Miss Ward of Squerries, and returned in good order.

The preparation and transcription for press of a general catalogue of the collection of English Portraits has been continued.

The preparation for press of a descriptive catalogue of the newly-formed series of early German and Flemish woodcuts has been commenced and nearly completed.

The preparation and printing of a descriptive catalogue of the collection of English Drawings has been completed to the end of the first volume (Abbott-Cumberland), which will be published forthwith.

The catalogue of books in the Department containing early German woodcuts has been revised and transcribed for press.

Titles for the principal articles contained in the volumes for 1896 of the "Jahrbuch der königlich Preussischen Kunstsammlungen," "Zeitschrift für Bildende Kunst," "Oud Holland," "Archivio Storico dell' Arte," and "Gazette des Beaux-Arts" have been written for the index of Books of Reference.

All Books of Prints and Books of Reference recently acquired have been indexed and placed.

The preparation of a catalogue of all the English Mezzotints contained in the Department has been continued.

The preparation of slips for an index to the collection of Foreign Portraits has been continued.

The working copy of the new printed index of artists of the French School has been completed by the insertion of the references.

The second copy of the index of Italian artists has been corrected and completed.

The notes of M. Haverkorn van Ryswyck on the drawings by William van de Velde, sen. and jun. have been transcribed for the use of students.

All new names have been entered, and all necessary alterations effected in the general indexes of artists.

One hundred and twenty-seven drawings, and two thousand four hundred and thirty-five prints recently acquired have been incorporated with the collections to which they severally belong.

Six thousand nine hundred and four prints, drawings, &c., recently acquired, have been impressed with the departmental stamp, and references to the Register. The work of impressing with a special stamp the Schreiber collection of playing cards, has also been in progress, and three hundred and eighty-seven packs, have been stamped. The work of impressing with a special stamp the Franks collection of book plates has been commenced, and eight thousand seven hundred and ninety-four items have been stamped.

One hundred and ninety-five drawings and nine hundred and ninety-four prints have been placed on sunk mounts, and one hundred and thirty-six prints and photographs have been mounted in the ordinary manner.

Three thousand nine hundred and thirty-nine items have been entered in the Register of acquisitions.

The number of students admitted to the Print Room during the year ending 31st December 1897 was 6,206.

One hundred and ninety-nine applications were made for leave to photograph objects in the collection, and 1,584 photographs were taken.

II.—Additions.

The total number of prints, drawings, &c., acquired during the year (exclusive of the Franks collection of book-plates) was 5,053, of which the following are the most important:—

Italian School.

Drawings.

Anonymous, North Italian, about 1500. A cavalry skirmish.

Albertinelli, Mariotto. Study for a picture of the Coronation of the Virgin; black chalk. From the Lawrence collection.

Barocci, Federigo. Portrait of a man; pastel.

Bernini, Giovanni Lorenzo. Portrait of himself when a young man; red chalk. From the Richardson and Somers collections.

Campagnola, Domenico. Marriage of St. Catherine; pen and sepia. From the Cosway collection.

Cardisco, Marco ("Il Calabrese"). An angel appearing to two saints in a temple; pen and sepia. From the Mariette collection.

Carpaccio, Vittore. View of a town and harbour; study for one of the pictures of the Life of St. Ursula at Venice; pen and red chalk. From the Richardson and Bennett collections.

Farinati, Paolo. Marriage of St. Catherine in presence of St. Francis; pen and Indian ink, heightened with white.

Leoni, Ottavio. Five portrait heads of the artist's family; ck chalk. From the Mariette and Eldon collections.

Robusti, Jacopo (Tintoretto). Christ disputing with the Doctors; sketch in Indian ink From the Thane collection.

Titian (School of). Holy Family in a landscape; pen and Indian ink. From the Lely, Richardson and Warwick collections.

Zuccaro, Federigo. Interior with figures of the artist's family; sepia. From the Charles I. and Cosway collections.

Prints arranged to Illustrate the Works of Masters.

Carracci, Annibale. "Mater pulcræ dilectionis"; by I. Pavon.

Ghirlandajo, Domenico. Nativity of the Virgin; from the fresco in the church of Sta. Maria Novella at Florence; chromolithograph published by the Arundel Society.

Piazzetta, Giovanni Battista. Heads of a boy and a woman; two plates by J. L. Haid, mezzotint.

Pinturicchio, Bernardino. Betrothal of Frederick III.; from the fresco at Siena; chromolithograph published by the Arundel Society.

Salvi, Giovanni Battista (Sassoferrato). Madonna, by I. Pavon.

Vecellio, Tiziano (Titian). Battle of Cadore, by G. Fontana.

German School.

Drawings.

Amman, Jobst (attributed to). A large heraldic design for glass painting, containing the arms of Schaffhausen. Signed with monogram. From the Donaueschingen collection.

Elsheimer, Adam. Diana and Calisto; sepia sketch. From the Warwick collection.

Engravings.

Meckenen, Israhel van. A set of fine impressions, in the first state, of the twelve plates of the Passion (B. 19–21); inserted in a fifteenth century MS. Office of the Virgin. *Transferred from the Department of MSS.* Christ giving the benediction (B. 64).

Solis, Virgil. A frieze with six animals (B. 470). A frieze with fifteen parrots; undescribed.

Woodcut.

Anonymous, fifteenth century. St. Bridget (Schreiber 1290); old impession with late colouring.

Dutch and Flemish Schools.

Drawings.

Anonymous, sixteenth century. The Magistrates at Groningen in 1552, with their arms; pen and ink. *Presented by Max Rosenheim, Esq.*

Jordaens, Jacob. Sketch for the picture "Blowing hot and cold" at Brussels; distemper.

Rembrandt. Sketch for the picture of the "Sacrifice of Abraham" at St. Petersburg; red chalk and indian ink; signed.

Rubens, Peter Paul. Life-sized study of a head of a negress; distemper and oils. Mars, Minerva and Iris, with the nymph of the Trojan rivers; pen sketch; from the Cosway collection. Sketches for the Labours of Hercules and the Visitation of the Virgin; red chalk.

Schouman, Aart. Portrait of Anne, Princess of Orange, daughter of George II.; Indian ink; signed.

Smees, Jan. Landscape with cottage and haystack; pen and water colours.

Star, Dirk van. Virgin and Child and St. Anne, with kneeling donor under the patronage of St. Barbara; on prepared ground, heightened with white.

Verkolje, Nicolaas. Portrait of Jan Pietersz Somer; mezzotint.

Woodcuts.

Anonymous, fifteenth century. Vision of St. Bernard; originally published in his "Sermones," 1484; removed from a copy of Boccacio's "De Mulieribus claris," 1473, in the library of the Duke of Sussex, with which it had been bound up. *Transferred from the Department of Printed Books.*

Leyden, Lucas van. Aristotle and Phyllis; facsimile of an undescribed cut in the Bibliothèque Nationale, Paris.

Prints arranged to Illustrate the Works of Masters.

Breenbergh, Bartholomeus. Martyrdom of St. Lawrence; etching by J. Bisschop

Buys, Jacobus. "La feinte Bohémienne"; by S. Fokke.

French School.

Drawings.

Boitard, François. Allegory of Night; silver on black ground; signed and dated 1709.

Cochin, Charles Nicolas II. "Allégorie pour le Roi"; pencil sketch, with the engraving from it by De Longueil. "Allégorie pour la Reine"; pencil sketch, with the engraving from it.

Corneille, Jean Baptiste. Return of the Prodigal Son; esi for a picture; pen and bistre.

Fragonard, Jean Honoré. Landscape with cattle at a watering place; sepia. From the Goncourt collection.

Greuze, Jean Baptiste. The return of the shepherd; black chalk and Indian ink, heightened with white. From the collection of the Earl of Warwick.

Mettais, E. Death of Charlotte Corday; Indian ink.

St. Aubin, Gabriel de. Profile portrait of a gentleman; black chalk. Interior of a studio, "Dernier dessin de St. Aubin"; black chalk. Interior of a saloon with figures; black chalk and water-colours. Two sheets of studies of figures; black and red chalk.

Stella, Jaques. An angelic choir; study for a decorative wall painting; sepia, heightened with white. From the De Fries collection.

Engraving.

Aubertin, François. The French army, commanded by General Berthier, crossing the Great St. Bernard; after Gaulthier; aquatint.

Prints arranged to Illustrate the Works of Masters.

Bounieu, Michel Honoré. "La Bouteille Cassée"; by J. Massard.

Guérin, Pierre Narcisse, Baron. Æneas relating his adventures to Dido; by F. Forster.

Huet, Jean Baptiste. "Le Silence de Venus"; by L. Bonnet, aquatint.

Le Barbier, Jean Jacques François. "Le Nid d'Amours"; by J. Papavoine.

Le Clerc, Sébastien. "Étude de l'Architecture" and "Étude du Dessein"; by L. Bonnet.

Salathé, Frédéric. "Aspect général de Paris"; by A. Appert; aquatint.

Spanish School.

Drawing.

Murillo, Bartolommé Esteban (School of). The Immaculate Conception; crayons.

Artists of Foreign Schools working in England.

Drawings.

Ferg, Franz de Paula. A village fair; pen, water-colour and chalk.

Loutherbourg, Philip James de, R.A. A trophy of arms, with figure of War above; design for one of the plates to Bowyer's History of England; water colours. From Lord St. Helens's collection.

Van Dyck, Sir Anthony. Study of landscape; pen; signed. From the Richardson and Warwick collections.

Wyck, Thomas. View of London from Blackheath; sepia and Indian ink. Formerly in the collection of Paul Sandby and engraved by Godfrey in 1776.

Prints arranged to Illustrate the Works of Masters.

Holbein, Hans. A banqueting scene; reproduction of a drawing in the possession of Sir Charles Robinson. *Presented by Sir Charles Robinson, F.S.A.*

English School.

Drawings.

Anonymous. Portrait of Jeremy Bentham; silhouette profile.

Astley, John. Portrait of Sir Joshua Reynolds, drawn at Rome in 1750; black chalk heightened with white.

Brocas, Henry. View of Dublin from Phœnix Park; water-colours.

Byng, Edward and Robert. Nine sketch-books containing 470 drawings of portraits, from pictures by Kneller, Dahl, and others.

Cowen, William. Five water-colour views of Worcester. Rotherham, &c. *Presented by C. J. Holmes, Esq.*

Edridge, Henry, A.R.A. Portrait of Sir Samuel Bentham; water-colour miniature on ivory.

Gainsborough, Thomas, R.A. A lady in a large hat, walking; charcoal and Indian ink, heightened with white. From the collection of the Earl of Warwick.

Leighton, Frederic, Lord, P.R.A. Pencil study for the head of the young Giotto, for the picture "Cimabue's Madonna carried through Florence." Thirty selected sketches and studies for his pictures; crayons and pencil. Four others; *presented by the Fine Art Society.*

Scott, David, R.S.A. Two women laying out a corpse; water-colours.

Seymour, James. Portrait of Sir Robert Fagg; pen.

Strang, William. Twenty-seven studies of portraits, heads and academical figures; pencil and silver point. *Presented by the Artist.*

Turner, Charles, A. E. Portrait of Lord Castlereagh; after Sir T. Lawrence; black chalk and Indian ink.

West, Benjamin, P.R.A. "The Rape of the Lock"; pen, Indian ink and water-colours.

Etchings.

Girtin, Thomas. Three of the plates to his "Picturesque Views of Paris," aquatinted by F. C. Lewis; proofs before letters.

Monk, W. Five original plates. *Presented by the Artist.*

Strang, William. Eighty-seven impressions of original plates, in various proof states. *Presented by the Artist.*

Engravings.

Byrne, William. South-east view of the city of Bath; after T. Hearne.

Fullwood, Thomas. Memento Mori; undescribed.

Green, Valentine. A wood nymph; after Romney; mezzotint; proof with artists' names only.

Landseer, Thomas, A.E. The children of the Hon. Mrs. Bathurst; after Sir E. Landseer; the etching.

Lucas, David. "The Nore," after Constable; mezzotint; unique proof, with the painter's autograph. "Salisbury Cathedral," after Constable; mezzotint; two progress proofs. "The Grand Canal, Venice"; after J. D. Harding; mezzotint; proof with scratched letters. "Grace Darling"; after H. P. Parker and J. W. Carmichael; mezzotint; in two proof states.

Maucourt, Charles. The Expulsion of the Jesuits from Spain; mezzotint.

Prints arranged to Illustrate the Works of Masters.

Barrow, Joseph Charles. "Mary-la-Bonne," 1795; aquatint by G. J. Parkyns. Gateway of the Old Palace at Richmond; aquatint by G. J. Parkyns.

Bonington, Richard Parkes. "The Story," by G. H. Phillips; mezzotint; proof before letters.

Bunbury, Henry William. Sailors; two plates by W. Dickinson; stipple; proofs before letters.

Carpenter, Margaret. Euphrosyne; lithographed by G. L. Saunders. Portrait of Miss Lewis, sister of John Lewis, R.A.; lithograph. "Margaret"; by E. Scriven, stipple; proof before letters. *All presented by W. Carpenter, Esq.*

Clint, George, A.R.A., Mrs. Blanchard, Mrs. Davenport, and Miss M. Tree, in the "Beggar's Opera"; by C. Cooke.

Gainsborough, Thomas, R.A. "Girl and Pigs"; by W. Dickinson, mezzotint.

Grant, Sir Francis, P.R.A. Queen Victoria riding with Lord Melbourne; by J. Thomson; proof before letters.

Landseer, Sir Edwin, R.A. A collection of 236 rare engravings and etchings after his studies, including an unique set of proofs of the woodcuts published in the "Art Journal" in 1875-7.

Liverseege, Henry. "Edie Ochiltree"; by J. Stephenson; touched proof.

Morland, George. "Morning" and "Evening," a pair; by W. Nicholls.

Northcote, James, R.A. "Le Tigre blessé par le porc épic"; and "Le Serpent terassé par le Lion," a pair, by Renard, stipple; printed in colours.

Reynolds, Sir Joshua, P.R.A. "The Reverie"; by T. Cheesman, stipple.

Rossetti, Dante Gabriel. Dante's Dream; heliogravure from the picture in the Walker Art Gallery, Liverpool; Japan proof.

Rowbotham, Thomas Leeson. View of the City of Bristol during the riots, Oct. 30, 1831; lithograph by L. Haghe.

Shelley, Samuel. "Love healed"; by R. Cooper, stipple.

PORTRAITS.

Foreign.

Beethoven, Ludwig von. 1. In his sixteenth year; a silhouette. 2. Walking; reproduction of a pen drawing. 3. After L. Letronne, by B. Höfel, stipple. *All presented by Mr. Justin.*

Bergasse, Nicolas; stipple; printed in colours.

Mahomed, Shah of Persia; after J. H. Twigg, by J. E. Coombs, mezzotint.

Napoleon, Louis Bonaparte, Grand Duke of Berg and Cleves, by H. Pauquet.

Tamehamalu, Queen of the Sandwich Islands; by J. Hayter, lithograph.

English.

Betty, Master Henry, "the young Roscius"; by J. Godby, stipple; printed in colours.

Cromwell, Oliver; anonymous engraving; on vellum.

Elizabeth, Queen of Bohemia; by W. J. Delff, after Miereveldt.

Keats, John; platinotype from the picture by J. Severn in the National Portrait Gallery, and two platinotypes from the life mask by B. R. Haydon, in the National Portrait Gallery. *Presented by Lionel Cust, Esq.*, F.S.A.

Kent, Victoria, Duchess of; after G. Dawe, by T. Woolnoth, stipple.

Lowe, Peter, founder of the Faculty of Physicians and Surgeons in Glasgow; photogravure. *Presented by James Finlayson, Esq.*, M.D.

Metcalfe, Charles Theophilus, Lord; after A. Duperly, by A. Maurin, lithograph.

Nelson, Horatio, Viscount; a tribute to his memory; after J. Hopkins, by J. Young, mezzotint; coloured.

Nicol, William, D.D.; after J. Morris, by S. W. Reynolds, mezzotint.

Novello, Clara, after F. Salabert, by W. Sharp, lithograph.

Romney, George; after himself, by T. Wright, stipple.

Watt, Robert, M.D., photogravure from a picture attributed to Raeburn. *Presented by James Finlayson, Esq.*, M.D.

History.

Canonization of Pope Pius V., and other saints, 1712; after A. Valery, by F. Mastrozzi.

Statues and other works of art leaving Rome for Paris, 1797; anonymous etching.

"The Bridge of Saltador" and "Passage of the Douro," two of a set of plates illustrating the Peninsular War; after H. L'Evêque, by J. Fittler.

Sets and Collections.

A collection of English and foreign book-plates, probably the most valuable and important which has ever been formed, and numbering approximately 45,000 English and 35,000 foreign examples. *Bequeathed by Sir A. Wollaston Franks*, K.C.B.

The collection of nine hundred and seventy-four flowers and plants executed in paper mosaic by the celebrated Mrs. Mary Delany between 1774 and 1784; in their original albums and cabinet. *Bequeathed by Lady Llanover.*

Four hundred and twenty-two wood-blocks cut by W. H. Hooper from designs by Sir E. Burne-Jones, William Morris, and Walter Crane to illustrate the folio edition of Chaucer

and other works printed at the Kelmscott press. *Presented by the Trustees of the estate of the late William Morris.*

A special set (one of two printed for the British Museum and the Bibliothèque Nationale, Paris) of one hundred and fifty-four proofs of the illustrations to "Poëmes Parisiens" by Emile Goudeau, 1897; drawn by Charles Jonas and engraved on wood by Henri Paillard. *Presented by M. Henri Beraldi.*

One hundred platinotype photographs of the architecture and monuments of Westminster Abbey; executed for the National Photographic Survey and Record in 1896. *Presented by Sir J. Benjamin Stone, M.P.*

Books of Prints.

Amman, Jobst. "Gynæceum, sive Theatrum Mulierum," Frankfort, 1586; with 118 cuts by Amman.

Böcklin, Arnold. "Eine Auswahl der hervorragendsten Werke des Künstlers in Photogravüre"; the two series, 71 plates.

Bode, Wilhelm. "Die Fürstlich Liechtenstein'sche Galerie in Wien," with 37 plates.

Bode, Wilhelm. "The Complete Work of Rembrandt," vol. I. with 71 photogravures.

Bowen, Emanuel. "Britannia Depicta or Ogilby Improv'd," fourth edition, 1731. *Presented by Mr. Cournan.*

Cox, David. "The Young Artist's Companion," 1825; with 65 plates.

Lippmann, Friedrich. "Zeichnungen von Albrecht Dürer," Abth. xxvii–xlviii; 114 plates.

Meyer, Julius, and W. Bode. "Die Gemälde-Galerie der Königlichen Museen zu Berlin," Abth. 9 and 10; 12 plates.

Petrarcha, Francesco. "Von der Artzney bayder Glück," etc., Augsburg, 1532; with woodcuts attributed to Hans Burgkmair.

Rembrandt van Ryn. Sixteen photogravures from his pictures in the Dresden Gallery.

St. Petersburg. Eighty-four photogravures from pictures in the Hermitage Gallery; with an introduction by Sir Martin Conway, 1897.

Scheibler and Aldenhoven's "Geschichte der Kölner Malerschule"; with 100 plates.

Vachon, M. "Puvis de Chavannes"; with 49 plates.

Venturi, Adolfo. "Tesori d'Arte inediti di Roma," with 40 plates.

Venturi, Adolfo. "Gentile da Fabriano e il Pisanello," 1896, with 21 plates.

Books of Reference.

Koehler, S. R. "A chronological Catalogue of the Engravings, etc. of Albert Dürer, as exhibited at the Grolier Club," 1897, with 15 plates. *Presented by the Grolier Club, New York.*

Burlington Fine Arts Club. Catalogue of an exhibition of Water-colours by Alfred W. Hunt, 1897. *Presented by the Committee.*

Burlington Fine Arts Club. Catalogue of a collection of European Enamels exhibited 1897. *Presented by the Committee.*

Norwich. Catalogue of a Loan Collection of Pictures exhibited November 1894. *Presented by L. Binyon, Esq.*

Sidney Colvin.

Department of Egyptian and Assyrian Antiquities.

I.—*Arrangement, Cataloguing, etc.*

Egyptian Antiquities :—

The general re-arrangement of the Egyptian Collection has been continued, and a number of important objects acquired during the year have been incorporated and exhibited.

Four hundred and forty-two labels have been written and painted, and attached to objects exhibited in the Galleries; twelve stelæ frames, nineteen stands, four vases, saucers, &c., nine hundred and sixty labels, two hundred and thirty-three satin wood and mahogany pedestals, one base for a mummy case, and frames for four papyri have been made; three hundred and thirty-eight objects have been cleaned and repaired; eight hundred and sixty-seven scarabs, figures, and other objects have been mounted; the re-mounting of the papyri in ventilating frames has been continued, eleven papyri have been unrolled.

One thousand eight hundred and forty-eight objects of the various collections have been registered; one thousand and eleven scarabs have been catalogued; four hundred and thirty-six Coptic, Demotic, and Greek ostraka have been copied and collated.

The description of the papyri for publication has been continued, and twenty plates for the new part of "Select Papyri" have been printed off.

Assyrian Antiquities :—

The general re-arrangement of the tablets has been continued. The contents of the case containing the cylinders, &c. of the later Babylonian Empire have been re-arranged, classified, and labelled.

Two hundred "case-tablets" and tablets have been repaired; three hundred and eighty-nine tablets, and three historical cylinders have been cleaned; fifty-nine "joins" have been made; sixty-two moulds from Assyrian cylinder seals have been made; thirty "case-tablets" have been opened; thirty objects have been mounted on stone plinths; and the cutting of ventilation shafts behind the slabs in the Assyrian basement has been completed. Several thousands of boxes for holding tablets have been lined with cotton-wool and numbered, and the arrangement of the collections according to date of acquisition has been continued.

Hand-lists and reference boards for several of the early collections have been made, and the case-book of the Babylonian Room has been continued.

Five hundred and eighty-three tablets and fragments of the various Babylonian collections have been copied for purposes of publication.

Two thousand three hundred and nineteen tablets of the various collections have been registered; and the verification of the Kouyunjik Collection has been completed.

Thirty paper impressions of inscriptions have been made.

Students:—

One thousand four hundred and ten visits have been made to the Egyptian and Assyrian Department by students and others; and nine thousand three hundred and eight objects have been issued to them for study.

II.—*Acquisitions.*

Purchases.

i. Egyptian:

1. Limestone slab with hieroglyphic inscription (in relief) of the "royal relative" Hesa; about B.C. 3700.
2. Portion of the cornice of a door of the tomb of the "royal relative" Ka-utcha-ānkh; about B.C. 3700.
3. False door from the tomb of Mert-tefs, an Egyptian Queen who flourished in the IVth dynasty; about B.C. 3700.
4. Portion of a door of a *mastaba* tomb of the "royal relative" Rutchek; about B.C. 3700.
5. Alabaster vase inscribed with a name of Sahu-Rā, a king of the Vth dynasty; about B.C. 3500. From Sakkāra.
6. Alabaster vase inscribed with the cartouche and titles of the "royal son Teta," a king of the Vth dynasty; about B.C. 3300.
7. Agglomerate bull, couchant, upon a pedestal, inscribed with the cartouche and titles of the "royal son Teta," a king of the Vth dynasty; about B.C. 3300. This object was probably used as a weight. It seems to be unique, and is remarkable both for the material and for the fineness of the work.
8. Limestone slab with figures of the deceased and his family in relief; one of the Antef kings is mentioned in the text upon it. From Upper Egypt; about B.C. 2500.
9. Stele of Uartu-sen-nekht; about B.C. 2500. From Abydos.
10. Large limestone vase dedicated to the temple at Abydos by Amenophis III.; about B.C. 1470.

11. Painted limestone stele mentioning kings of the XVIIIth dynasty; about B.C. 1450. From Abydos.
12. Granite head of the statue of a king or prince; XVIIIth dynasty. From Thebes.
13. Black granite seated statue of an official who lived in the reign of Amenophis; about B.C. 1470. From Abydos.
14. Black granite double statue; XVIIIth dynasty. From Abydos.
15. A stool, with leather seat; XVIIIth dynasty. From Thebes.
16. Stone pedestal of a statue inscribed with cartouches of Rameses II.; B.C. 1333. From Karnak.
17. Black granite clamp inscribed with the prenomen of Seti I.; B.C. 1370. From Abydos.
18. Green granite statue of a third prophet of Amen-Rā at Thebes; about B.C. 1100. The sides of the statue are ornamented with figures of gods in outline, and the general style of the object is unusual. From Upper Egypt.
19. Limestone kneeling figure of a woman holding a shrine or stele upon which is inscribed a hymn to the Sun; about B.C. 1100.
20. Head from a green granite statue of the god Anubis. From Thebes.
21. Green granite altar and obelisk (uninscribed). From El-kab.
22. Inscribed limestone stele of the time of Osorkon I.; about B.C. 800.
23. Black basalt kneeling figure of a priest holding a shrine; about B.C. 600.
24. Limestone plinth of a statue inscribed with the prenomen, titles, &c., of Nectanebus, the last native king of Egypt; about B.C. 330.
25. Two limestone funeral stelæ from Akhmîm (Panopolis); about B.C. 350.
26. Light gold figure of the goddess Sati, who has been identified with a form of the Moon-god. Lower Egypt.
27. Gold head of a goddess wearing the crowns of the North and South. This and No. 26 were found in a tomb of the XIIth dynasty.
28. Two fine bronze figures of the god Osiris.
29. Bronze figure of the god Anubis.

30. Bronze figure of the god Sebek.

31. A set of 33 bronze vessels, vases, ewers, bottles, saucers, plates, &c., from Thebes.

32. Seven flints belonging, probably, to the prehistoric period.

33. Two amethyst bead necklaces. From Thebes.

34. Green basalt "heart" scarab; XIIth dynasty. From Kurna.

35. A collection of 39 steatite scarabs, &c., glazed blue on green, and inscribed with the names and titles of kings and officials from the IVth to the 22nd dynasty.

36. Eight small papyri. From Thebes.

37. Two painted and gilded heads and feet coverings from mummies of a late period; about B.C. 200. From Akhmîm (Panopolis).

38. Hard, red stone statue of a priest; Ptolemaïc period. From Benha.

39. Two large stone dog-headed apes; Ptolemaïc period. From Akhmîm (Panopolis).

40. Large stone painted slab, upon which are portrayed the gods Horus and Thoth pouring out a libation; Ptolemaïc period. From Akhmîm (Panopolis).

41. Painted plaster, portrait face from a coffin. From Akhmîm.

42. A large collection of alabaster, porphyry, basalt and granite bowls, vessels, &c., of various periods. From Abydos.

43. A collection of flints of various periods. From Abydos.

44. A collection of *faïence* vases of various periods. From Tuna in Upper Egypt.

45. Two painted *faïence* pectorals. From Tuna.

46. Bronze figures of Osiris, Sati, and the dog-headed ape inlaid with gold. From Benha.

47. Painted *cartonnage* case for the mummy of a woman; about A.D. 100.

48. Limestone funeral stele of Politta; 2nd century. From Memphis.

49. Stele inscribed in Coptic and dated A.D. 741.

50. A collection of pieces of late Roman variegated glass. From Memphis.

ii. Assyrian:—

1. A collection of eight hundred and sixty-four Babylonian contract and other tablets from Southern Babylonia. Most of them were inscribed during the reigns of Gamil-Sin, and Bur-Sin, who ruled over the city of Ur before B.C. 2200.

2. Two large baked clay tablets inscribed, during the same early period, with temple accounts, lists of revenue and produce, drawn up for the rulers of the city of Ur (Nos. 22,855 and 23,323.)

3. Three circular clay tablets inscribed in Accadian with public accounts, &c., belonging to the collection purchased in 1896 (Nos. 23,105, 23,330, 23,331); about B.C. 2300.

4. Limestone mace-head of E-annadu or E-dingira-nagin, an early king of the city of Shirpurla or Lagash, inscribed with an account of the building of a temple by this king to the god Ningirsu. Below the inscription is engraved the emblem of the city of Shirpurla, *i.e.*, an eagle with outstretched wings grasping in its talons the tails of two leopards (No. 23,287.) About B.C. 2500.

5. Hæmatite cylinder-seal inscribed with a mythological scene representing Gilgamesh and Ea-bani in conflict with a lion and human-headed bulls (No. 22,961).

6. Fine lapis-lazuli cylinder-seal inscribed with two man-headed bulls, and a scene representing Gilgamesh and Ea-bani in conflict with the Scorpion-men (No. 22,962).

7. Jasper cylinder-seal inscribed with a mythological scene similar to that found on No. 5 (No. 22,964). These three cylinders are among the finest examples known of Babylonian seal cutting, and none of them is later than B.C. 2500. They were found among the ruins of the city of Shirpurla or Lagash.

8. Hæmatite cylinder-seal inscribed with a scene in which an adorer is represented standing, with both hands raised in adoration, before Shamash the Sun-god, and the goddess Ai. Near these deities stands Rammanu, the Storm-god, who holds in his hands the emblem of forked lightning. Late Assyrian period (No. 22,963).

9. Two limestone slabs inscribed with an account of the restoration of the Temple of Bel by Assur-bani-pal, King of Assyria; B.C. 668–626.

Presents.

I.—1. Portrait statue of An-kheft-ka, a "royal relative," and an official of high rank; a beautiful example of the work of the Early Empire, IVth dynasty; about B.C. 3700.

2. Sealed statue of An-kheft-ek, a "royal relative," IVth dynasty; about B.C. 3700.

3. Wooden statue of a high official.

4. Left foot of a wooden statue.

5. Wooden head-rest, or pillow, of an unusual shape.

6. Wooden head-rest on rounded base.

7. Wooden head-rest on squared base.

All the above are from Dashāsheh in Upper Egypt.

Presented by the Egypt Exploration Fund, 1897.

II.—1. A phallic figure in green glazed steatite; Roman period. From Thebes.

2. A broken phallic figure in limestone; Roman period. From Thebes.

III.—1. A stone slab with a hieroglyphic inscription in which the prenomen of Amen-em-hāt II., a king of the XIIth dynasty, about B.C. 2400, is mentioned.

Presented by G. W. Fraser, Esq.

IV.—1. Green glazed *faïence* figure of a woman captive.

2. A dark, cobalt-blue, *faïence* (or opaque glass) head of a staff in the form of a cylinder, inscribed with the "banner" name, and name of Pepi I., king of Egypt, about B.C. 2250.

Presented by J. J. Tylor, Esq.

V.—Green glazed *faïence* amulet of the *Utchat* or so-called "symbolic eye" mounted in gold. XXVIth dynasty; about B.C. 550.

Presented by Mrs. Edward Thurlow.

VI.—1. Gold plate scarab inscribed with the emblems of "life" and "good luck."

2. Gold plate scarab inscribed with the prenomen Men-kheper-Rā, which was adopted both by Thothmes III., about B.C. 1550, and by the priest-king Pi-netchem of the XXIInd dynasty, about B.C. 1000.

Presented by T. Gibson, Esq.

VII.—Portions of sculptured slabs from the palaces at Nineveh of Sennacherib and Assur-bani-pal, kings of Assyria, from B.C. 705 to 681 and from B.C. 668 to 626 respectively. Among those of special importance are :—

1. Scene : fisherman fishing in a pool.
2. „ captive carrying tribute.
3. „ royal attendant carrying bows and arrows.
4. „ two fragments with heads of warriors.
5. „ two fragments with heads of archers.

Presented by Miss Wainwright.

E. A. Wallis Budge.

Department of Greek and Roman Antiquities.

I.—*Arrangement, Cataloguing, etc.*

The re-arrangement of the Ephesus Room has been continued; progress has been made in restoring a capital and column from the later temple of Artemis and in preparing stands, fittings and labels for the plaster moulds and store-casts in the basement.

Twenty-eight sculptures have been mounted on plinths or repaired; an iron dowel has been removed from the drum of a column of the Propylæa; 170 pedestals and plinths, a head of Perseus, a mosaic in the Etruscan Saloon, 8 slabs of the Phigaleian frieze, the cast of the Hermes of Praxiteles, and 9 store-casts of the Parthenon frieze have been cleaned or repaired; new moulds have been made from 10 slabs of the Phigaleian frieze, from a group in the West pediment of the Parthenon, from a head of Apollo in the Mausoleum Room, from pieces of architecture and sculpture from Ephesus, and from five objects in terra-cotta.

The terra-cotta sarcophagus from Clazomenæ, with cover, has been repaired and mounted in two glass cases in the First Vase Room; it has also been drawn and photographed for publication. The collection of vases in this room has been partially re-arranged, the other sarcophagi from Clazomenæ and Cameiros having been transferred to a wall-case on the West side of the room, and the collection of vases from Rhodes and Naucratis re-arranged in the adjoining wall-cases and in table-case D; and the two large pithoi from Cameiros and Ialysos having been placed on tops of cases in the Terra-cotta Room.

The collection of ornaments in gold and ivory from Enkomi, in Cyprus, has been arranged in the Gold Ornament Room, and the collection of silver ornaments in the Vestibule; table-case D in the Bronze Room has been re-arranged, and the contents mounted on tablets; two cases in the Third Vase Room and two in the Fourth Vase Room have been re-glazed and fitted with new locks, and raised on plinths; a series of labels has been made for the Vase Rooms and for the Mosaics on the North-West Staircase, and a mahogany case provided for the Catalogues kept in the Vase Rooms; the copies of Etruscan paintings on the walls of the Vase Rooms have been taken down and cleaned; and the walls and ceilings of the Third Græco-Roman Room, Græco-Roman Basement, Bronze Room, and Etruscan Saloon have been repainted and decorated.

Fourteen vases, 3 bronzes, and a series of objects from Cyprus have been cleaned and repaired; 3 bronzes, 2 vases, and a series of gold ornaments have been mounted on plinths

or blocks; 288 bronzes have been catalogued; 1,001 objects registered; 492 descriptive titles written and attached to objects; progress has been made in numbering the collection of bronzes; 30 photographic negatives and 64 drawings of small objects have been made for the Bronze Catalogue.

Progress has been made with the Catalogues of Vases (Volume I.), Sculpture (Volume II.), and Bronzes, and in view of the great interest now attaching to early Ionian art, particularly to the painted terra-cotta sarcophagus recently acquired from Clazomenæ, in Asia Minor, a special publication has been prepared of this sarcophagus, to which have been added a similarly painted terra-cotta sarcophagus from Cameiros in Rhodes and another sculptured with figures in the round and in relief, from Caere in Etruria.

The number of visits made by students to the Departmental Library for purposes of research during the year is 660.

II.—*Acquisitions.*

By Donation.

I.–1. Sard intaglio: Cupid riding on lion and holding lyre; inscribed **MYKONΩC** and **IΠΛ** (a similar gem in the Florence Cabinet, Stosch, pl. 53).

2. Jacynth intaglio: bearded head with diadem; inscribed in modern letters IVGVRTHA.

3. Sard intaglio: Satyr carrying large amphora; inscribed **KOINOY.E** (*See* Jahrbuch, 1889, p. 51, and King, Antique Gems, p. 230).

4. Sard intaglio: Bust of Omphalè in lion's skin (King, Antique Gems, p. 159). *Emerson and Rhodes Collections.*

5. Sard intaglio: head of Ceres; inscribed **AYΛOY** (King, Antique Gems, p. 200; formerly in the collection of Madame de Pompadour, and afterwards in that of the Marquis de Drée; Brunn, Gr. Künstler, ii. p. 553).

Presented by Miss Naesmyth; collected by her father, the late Sir John Naesmyth, Bart.

II. Marble slab with relief of a youth followed by an attendant; inscribed Νουμήνιος Σεύθο[υ] Λυσιμαχεύς. *From Pergamon.*

Presented by Baron Ferdinand Rothschild, M.P.

III. Roman portrait-bust in marble.

From the island of Santorin (Thera). Presented by Captain Blackburne.

IV. Gold finger-ring with archaic figure of an archer on the bezel and at each side a lion's face in relief. From the Castellani Collection, sold in Rome in 1884 (Sale Catalogue No. 880).

Presented by Mrs. Eustace Smith.

V.–1. Painted plaster statuette, torso of half-draped Aphroditè.

2. Plaster bust, attached to a wooden peg, representing Serapis.

3. Similar bust, representing Zeus (?).

4. Alabaster torso of Aphroditè, nude, with Eros on her shoulder.

5. Terra-cotta lamp of Roman date, with relief of a man playing on a lyre.

From Behnesa (Oxyrhynchos). Presented by the Egypt Exploration Fund.

VI. Plaster medallion of Sir Hans Sloane.

Presented by Miss Sloane Stanley.

VII. Photographs of ancient masonry in Italy.

Presented by the Rev. Peter Paul Mackay.

VIII. Maps of Greece (1826), the Morea (1832), and Dalmatia (1810).

Presented by Sir Theodore Martin, K.C.B.

By Purchase.

I.—*Objects in gold.*

1. A pair of earrings (one fragmentary), of exquisite workmanship. *Crete.*

2. A chain with carnelian beads. *Found near the temple of Apollo, Curium, Cyprus.*

3. Pair of earrings of Etruscan fabric. *Populonia.*

4. Finger-ring of Etruscan fabric. *Populonia.*

5. Ear-ring with pendant, swan in white enamel. *Falerii.*

6. Finger-ring with bust of Athenè in high relief. *Monteleone, Southern Italy.*

II.—*Silver.*

Cup with incised patterns of very exquisite design and of the style of the Alexandrine age. *Said to have been found at Bosco Reale near Pompeii, but more probably from some Greek source.*

III.—*Bronze.*

1. Large fibula of primitive Bœotian type, engraved on one side with the figure of a horse; on the other a ship with fish and birds (a companion fibula published in Ephem. Archæol. 1892, pl. 11, fig. 2; *See also* Mémoires de la Soc. des Antiquaires de France, lv., p. 1).

2. Large patera with medallion in centre representing Scylla destroying the companions of Ulysses. Monumenti Antichi, vii., p. 514. *Found at Bosco Reale near Pompeii.*

3. Figure of infant Heracles strangling the serpents. *Ephesus.*

4. Figure of Heracles reclining on the lion's skin, the attitude recalling the Theseus of the Parthenon; he holds a cup in one hand and a fillet in the other. This type of Heracles somewhat resembles that of a marble relief belonging to Lord Yarborough (Visconti, Mus. Worsleyano, pl. I., fig. 2) which has recently been associated with a base in Rome bearing the name of the sculptor Scopas Minor (Roem. Mittheil. xii. (1897), p. 20). *Ephesus.*

5. Archaic Etruscan statuette of a woman, with drapery and details very finely rendered. *From the Montagu Taylor sale.*

6. Etruscan mirror with incised design: Bellerophon (MELERPANTA) standing before Oinomaos (OINOMAVOC), and holding Pegasus (ARIO). On the back of the handle are Helios and a flying goddess (Gerhard, Etrusk. Spiegel, iv. pl. 333; Mon. dell' Inst. vii. pl. 29, fig. 1). *From the Montagu Taylor sale.*

IV.—*Marble, etc.*

1. Portrait-head, apparently of a Greek poet, crowned with ivy: Greek work of the third century, B.C.

2. Black basalt head of Julius Cæsar from *Egypt.* The head is about half life size and has been broken from a figure sculptured not entirely in the round, but having a square pilaster at the back in the manner of Egyptian statues. In this respect and in the unusual length of the occiput this head resembles that of Cæsar in the Barracco collection in Rome (Collection Barracco, pls. 75–75A). The type of face is, however, different in several respects.

V.—*Terra-cotta.*

1. Stamp with representation of a man stirring a cauldron with right hand, holding up the back of his left hand to shield his face from the fire, and girt round the waist like a slave. The cauldron is raised on rocks between which are burning sticks.

2–5. Four fragmentary moulds for Aretine ware; one, stamped with the name of M. Perennius, represents a female

figure stooping over a burning altar and apparently dropping incense on the fire, while opposite has stood a bearded figure, playing on double flutes, of whom only the head, hands and flutes remain; a second fragment has on the left a dancing figure clapping his hands over his head, while two draped female figures stand side by side looking on; behind them and turned away to the right is a youth playing on double flutes, and working with his left foot the kroupezæ used by flute players to mark time; a third fragment has two Seileni with a large crater between them out of which they have been filling their drinking cups; the faces and hair are rendered with the minuteness of a gem; the fourth fragment has a bearded and wreathed figure seated on a chair to left, holding a sceptre in one hand, while with the other he points to a female figure in front, with her back turned towards him; she wears a Phrygian cap; behind the seated figure has been a tree, of which only the top branches now remain.

VI.—*Pottery.*

1. White Athenian lekythos, with combat between horseman and foot soldier, recalling, by the great beauty of the drawing, the Parthenon frieze. Both combatants are youthful, and fight with the spear. The one on horseback wears a petasus and short chiton girt at the waist. The other wears a conical helmet and protects himself with his shield. The horse is painted a dark red.

Found in the neighbourhood of Athens.

2. Similar lekythos, representing a young warrior seated at a stelè, to whom a youth brings a helmet and a spear.

3. Archaic Greek black-figured amphora, representing the sacrifice of Polyxena at an altar beside the tumulus of Achilles. Polyxena is held over the altar in a horizontal position by three Greeks, Amphilochos, Antiphates, and Ajax Iliades (Oïliades), while Neoptolemos stabs her in the throat. Behind Neoptolemos is Diomede, and, lastly, on the left of the scene Nestor Pylios. The corresponding figure on the extreme right is Phœnix. The dress of Polyxena is carefully wrapped round her; she makes no struggle nor effort to escape her fate, but appears to be anxious above everything to die decently (εὐσχήμως) as Euripides says in the *Hecuba*, 568 fol. The occurrence on a vase of epithets which are familiar in literature, such as Nestor Pylios, is extremely rare.

4. Red-figured kylix, with an Amazon in the interior, and groups of warriors on the exterior; inscribed with the names ΑΘΕΝΟΔΟΤΟΣ ΚΑΛΟΣ and ΛΕΑΓΡΟΣ ΚΑΛΟΣ, probably the work of Euphronios.

5. Fragment of a red-figured kylix, with interior design of an archer wearing a helmet with bull's ears and horns, apparently the work of Chachrylion: remains of inscription, probably the artist's name.

6. Terra-cotta bowl, with reliefs, representing Hades carrying off Persephonè, the lower world being indicated by the reeds of Acheron and the Danaids with their pitchers. The entrance to the lower world is indicated by a stelè on which is inscribed the word εὐσεβῶς, and this, perhaps, may be taken as conclusive evidence that the usual form of Greek tombstones or stelæ, representing a portal, was intended to indicate the portal of Hades. That is a subject which has been much discussed, with conflicting opinions.

VII.—*Engraved Gems, &c.*

1. Onyx cameo, with portrait of Galba. *Thessaly.*

2. Paste intaglio ; head of Hermes.

3. Paste cameo ; Alexander the Great striking down an enemy, probably at the battle of the Granicus.

4. Seven fragments of very archaic porcelain (*see* Mon. dell' Inst. xi., pl. 37, and Annali, 1882, p. 1, pls. A–G), supposed to be of Phœnician fabric. *Found on the Esquiline Hill, Rome.*

III. Excavations.

The excavations in Cyprus, which had ceased in September 1896 when the site of Enkomi near Salamis, was exhausted, were resumed in November of last year on a new site, that of Maroni, between Larnaca and Limassol, where were found tombs of the Mycenæan age. The results were at first promising, but after a short time it was deemed advisable to transfer operations to another site, close to a Tekké or sacred tomb, near the Salt Lakes of Larnaca. Here also the tombs proved to be of the Mycenæan age, and productive of good results, so far as it was possible to carry them with the funds then available. The excavation of this site is being continued in the present year. Meantime the following are among the most important of the objects discovered at Maroni and the Tekké :—

Maroni.

Tomb 1 :

Two gold pendants in imitation of bulls' head.
Series of silver beads.
Two bronze fish-hooks.
Four bronze knives.
Terra-cotta boat found full of knuckle-bones.
Alabaster bowl.
Terra-cotta figure of bull.
Mycenæan vases with plain patterns.
Large Mycenæan vase in fragments, with birds painted in white on black ground.
Black basalt cylinder with bird.

Tomb 2:
Fragments of Mycenæan vases with figures of men, animals, and chariots.

Tomb 3:
Eight glandular basalt weights.
Two silver fibula-pins with ring in middle.
Cylinder with designs of men and animals.
Bronze dagger.

Tomb 4:
Gold diadem with spiral patterns.
Bronze butt-end of spear.
Silver ring with bezel.
Egyptian porcelain scarab.

Tomb 6:
Fragments of pottery (Mycenæan) with figures.

Tomb 7:
Terra-cotta tube ending in a hand holding a bow.
Two terra-cotta figures of bulls.

Tomb 8:
Four gold cylinder-caps.
Fifteen carnelian beads.
Ivory disc with incised rosette and gold stud in centre.
Fragments of terra-cotta boat.

Tomb 9:
Jug with patterns and figures of ducks in red and black on drab.
Similar jug with plain interlacing patterns.
Jug of "base-ring" ware with snakes in relief.
Two bronze daggers with tangs.

Tomb 11:
Pair of gold earrings.
Silver bracelet with gold clasp.

Tomb 12:
Two gold cylinder-caps.
Silver rings and spirals.

Tomb 14:
Two gold beads.
Porcelain figure of very primitive type.
Two glass vases.
Glandular sard, plain.
Ivory vase in shape of fruit.
Three terra-cotta primitive figures.
Askos in shape of pig.

Tomb 15:
Fragments of Mycenæan vase with figures of men.
Five terra-cotta bulls.
Terra-cotta primitive figure.

Tomb 16:
Fragments of Mycenæan crater with cuttle-fish.

Tomb 17:
Gold pendant, pear-shaped, with patterns.
Silver ring.
Fragments of porcelain plate with Egyptian designs.
Hæmatite conical seal with intaglio of man's head and bird.
Fragments of Mycenæan vases with figures.

Tomb 19:
Bronze cow.
Fictile primitive figure, painted.

Tomb 22:
Gold spiral.
Amethyst cylinder.

Tomb 23:
Two gold buttons and five gold beads.

Tomb 24:
Two gold beads.
Two askoi in form of bulls, painted.

Tomb 27:
Vase of "white-slip" ware, with chequer patterns in red and black.

From the surface:
Gold mouthpiece with rosettes and spiral patterns.
Gold bead and small gold ring.
Conical crystal seal.
Brown scarab with unintelligible design.
Bronze hinge from door of tomb.
Fragments of coarse thick pottery with patterns in red and brown (early Mycenæan).

Tekké:
Gold diadem with stamped patterns of "Palladia."
Do. plain.
Basalt cylinder with elaborate designs.
Scarab with Egyptian design.
Mould with three figures of men, probably for stamping gold.
Pyxis with murex-patterns (Mycenæan).
Jug with two bulls on shoulder (Mycenæan).
Fragment of vase of coarse ware with fish.
Gold ring with Egyptian hieroglyphic on bezel.
Mycenæan vases and fragments with various figures and patterns.

A. S. Murray.

Department of British and Mediæval Antiquities and Ethnography.

I.—*Arrangement.*

Mediæval Room.—The wall cases in this room have been completed, and the contents replaced with the necessary re-arrangements. One section has, however, been devoted to the display of a small part of the objects bequeathed by Sir A. Wollaston Franks, which will remain on exhibition in this room for a limited time. All the specimens belonging to the room, which had been removed during the construction of the new cases, have been examined and cleaned before being replaced.

Seven table cases have been lined with velvet. The contents have been cleaned and re-arranged in five of the cases; and the labels of the collection of watches have been revised and printed in the department. In four of the other table cases is temporarily shown a large part of the Franks Bequest of jewellery, including finger rings, and other objects of small size. Two of the cases containing the more intrinsically valuable objects have been protected with added plates of glass.

Glass and Ceramic Room.—The various additions to this series have been incorporated, with labels attached. An important bowl of Kutahia ware has been mounted on a separate pedestal under a glass shade.

Pre-historic Room.—The two wall cases containing the palæolithic implements from England and the Continent have been taken down, reduced to proportions more suitable to the nature of the contents, and made more dust-proof, the implements having meanwhile been placed in drawers. The implements and the insides of the cases have been cleaned, as have also seven of the wall cases containing remains of a later period.

Ethnographical Gallery.—Considerable re-arrangement of the African section has been found necessary, to accommodate the objects from the Benin expedition. A large central case has been devoted to the carved tusks and a portion of the bronzes. The large collection of bronze plaques sent by Sir Ralph Moor, the Commissioner for the Niger Coast Protectorate, to the Foreign Office, and deposited on loan at the Museum, has been temporarily arranged on screens in the Assyrian Saloon. It is intended to include such of these remarkable castings as become the property of the Museum in a publication on the older relics from West Africa.

A large number of East African specimens have been labelled, and the registration on slips of Lord Lonsdale's Arctic collection has been completed.

A large series of specimens from the Nicobar Islands have been catalogued and arranged in or upon the cases.

The large Easter Island figures under the colonnade have been cleaned and the descriptive labels cut in the stone plinth, and the figures themselves removed away from the entrance.

The Javanese weapons have been classified.

The objects on the tops of the wall cases have been cleaned, and the following sections have been examined and cleaned, viz.: Hawaiian Islands, Savage Island, Torres Straits, the N.W. Coast of America, and the Congo.

American Room.—Arrangements have been made in this room to allow of the incorporation of a considerable series from Ecuador, and a portion of the Peruvian section has been re-arranged.

Gallery of Religions.—Two central cases and the specimens contained in them have been examined and cleaned.

The registration of current acquisitions has been continued; and 268 objects have been registered, and 90 ethnographical objects have been drawn and described for the Slip Catalogue.

A slip catalogue of the Franks collection of finger rings has been begun, and 1,200 specimens have been described. This will form the basis of the printed catalogue to be published by the Trustees.

A similar catalogue of the European pottery has been started, and 100 pieces have been described.

A slip catalogue of the library of voyages and travels and ethnography in the department has been completed, and the press marking is in progress. An additional bookcase for this library has been received and fixed, and the necessary re-arrangement of the books has been made.

A plaster cast of a carved pilaster on the main staircase has been withdrawn, and an original inserted in its place.

An Indian sculpture and an alabaster tablet have been repaired.

A catalogue of the works on Ceramics bequeathed to the department by the late Sir A. Wollaston Franks, K.C.B., has been made; a special book-plate has been printed for them and inserted in each volume.

One hundred and forty-five labels have been painted; 683 card labels have been printed with the hand press, as well as 494 headings to catalogue slips and 850 tickets, the latter being for the department of Coins and Medals.

One hundred and eighteen stands for specimens have been made and 53 have been stained; eight oak blocks have been made and ebonized; two frames have been made for New Zealand specimens; 16 boards and tablets have been covered with paper, and 658 specimens mounted; and 18 specimens have been repaired.

During the year there have been 1,584 visitors to the studies of the department.

II.—*Acquisitions.*

The most important acquisitions of the year are the portions of the bequest by the late Sir Augustus Wollaston Franks, K.C.B., which fall to this department. These, as well as the other antiquities passing to the museum under his will, are described in a following section.

Exclusive of this important bequest, and of the additions to the Christy Collection, the principal acquisitions are the following :—

(1.) *Early British and Prehistoric Antiquities :—*

Two flint implements found by the donor at Barton Cliff, Hampshire ; presented by Mr. D. Flynn.

A flint axe head found on the beach at Goring, Sussex, presented by Frank P. Reid, Esq. A flint flake, worked, found near Swathling, Hampshire; presented by G. S. Perceval, Esq.

Two hoards of bronze implements, presented by Sir A. Wollaston Franks, K.C.B. ; the first from Southall, Middlesex, includes a double bronze mould for a socket celt, containing portions of a lead celt, palstaves, a large ring, etc. ; the second from Gray's Thurrock, Essex, consists chiefly of socket celts and a gouge. A bronze socket celt found at Picton, near Hitchin, Herts ; a bronze palstave with loop, found at Llangollen ; presented by Sir A. Wollaston Franks, K.C.B.

Three silver bracelets found in Ireland ; and a wooden model of a pottery vessel with ornament of late Celtic character, from the British lake-dwelling at Glastonbury ; presented by Arthur Bulleid, Esq., F.S.A.

The most important acquisition in this section is the find of gold ornaments from the North of Ireland, exhibited before the Society of Antiquaries of London in January 1897, and published in "Archæologia," vol. 55, p. 391. The find consists entirely of objects of gold, viz., a collar with ornament of late Celtic character in relief, a twisted collar of solid wire and part of a second similar one, two neck-chains, a bowl of very thin metal, and a model of a boat, with oars and other implements.

This important find is of exceptional interest at the British Museum, as the objects, which may be attributed to the beginning of the Christian era, belong to a class specially connected with Britain, and in which the Britons attained to greater perfection than did any of their continental kindred. The Museum, moreover, possesses already the most important collection of bronze remains of this period of culture, which these gold objects will supplement and enrich in a useful way.

The foreign illustrations include :—

A slab of rock with picked design representing the head of an ox, probably of the Bronze age, from the north side of the val Fontanalba, near Bordighera; presented by Clarence Bicknell, Esq.

Stone implements and flakes, from the Mbabana River, Swaziland ; presented by Miss Wigram.

(2.) *Anglo-Roman* :—

A bronze bust of the Emperor Hadrian found at Winchester; a circular brooch enamelled and with a dolphin in the centre, a pair of silver brooches, and a silver spoon, all from the collection of Lord Hastings.

A remarkable hoard of pewter vessels and dishes, many of them elaborately ornamented with niello; one has the monogram XP, and another the inscription VICTRICI. Found together at Appleshaw, Hants.

A pottery money-box found at Lincoln full of coins of Constantine the Great, Fausta, Crispus, Constantine II., and Constantius II.

A pottery cup found at Billericay, Essex, presented by Dr. Frank Corner; and a piece of a pillar-moulded bowl of blue and white marbled glass, found at Colchester, and presented by Henry Laver, Esq., F.S.A.

(3.) *Anglo-Saxon and Foreign Teutonic* :—

A silver brooch with filigree work and pastes, another gilt and nielloed, a pair of silver buckles, a pair of strap tags, and a bronze brooch with zoomorphic ornament; all from the collection of Lord Hastings.

Plaster cast of the base of a Saxon cross of Christian period, from Leek, Staffordshire ; presented by Charles Lynam, Esq.

A series of remains from barbaric graves in the neighbourhood of Bergamo, consisting of bone buckles, finger rings, earrings, beads, etc. ; among them an imitation coin in gold of Anastasius I. (A.D. 491–518).

(4.) *Mediæval and Later* :—

(a.) *British.*—Bronze matrix of the seal of Ada de Dartford, 14th century. A bronze censer with heads of animals, found at North Elmham, Norfolk. An enamelled bronze pendant with a shield of arms, found at Canterbury and presented by Alfred J. Copeland, Esq., F.S.A. A prick spur of bronze once gilt, found at Botley House, Chesham, and presented by Miss Beatrice Stokes.

The chief acquisition in this section is the Glenlyon brooch, which is stated to have been in the possession of the Campbells of Glenlyon for many generations. It is of unusual size for a brooch, circular with a bar across the middle, and having two pins. The front is set with stones and pearls and is somewhat rudely worked; the back has the names of the Magi as a charm. The probable date of its manufacture is the 15th century; it has been figured and described in Pennants "Tour in Scotland," vol. I. p. 104, and in Wilson's "Prehistoric Annals," pl. II. and p. 560.

A gilt clock containing an alarum and a strike-a-light, probably German work of the 17th century, and a silver oblong plate with equation table, made by C. Bingham; presented by Max Rosenheim, Esq., F.S.A.

Two models in clay for medallions in glass of Alex. Waugh, A.M. 1794 and Alex. Easton 1794, made by James Tassie; a terra cotta medallion for a medal of Drs. J. Hunter and G. Fordyce by Flaxman; a bronze bust of Jeremy Bentham; bronze medallion portraits by David d'Angers of Canning, Brunel, Sir J. Franklin, Sir J. Ross and others.

A microscope, in its case, with which Sir David Brewster made his experiments till 1838; presented by Mrs. Brewster-Macpherson.

An old rushlight stand and a tinder box; presented by Dr. Frank Renaud.

A number of matrices of seals in silver, steel, &c., chiefly temp. Geo. III. and IV.; among them those of the Courts of Common Pleas and King's Bench, of the Colonies of Honduras, Nova Scotia, Victoria, &c.; presented by the Lord President of the Council.

(b.) *Foreign.*—A figure of Our Lord in Limoges champlevé enamel, 13th century work; presented by Max Rosenheim, Esq., F.S.A. A bronze lion which has formed the base of a candlestick, probably of the 13th century; presented by Sir A. Wollaston Franks, K.C.B. Four bronze pendants with armorial and other devices once enamelled, of the 14th century.

An object of unusual interest is the double matrix of the seal of Joanna, Queen of Sicily and Countess of Toulouse, daughter of Henry II. of England. It is of silver, and has on each half a figure of Joanna, in the one case as Queen, and in the other as Duchess of Narbonne, Countess of Toulouse and Marchioness of Provence, as shown by the legend. She married William II. of Sicily in 1177 and the Royal half of the seal was probably used by her during his life time. After his death she became in 1196 the wife of Raymond VI., Count of Toulouse, and died three years later. This interesting relic was found in the ruins of the Cistercian Abbey of Grandselve (Tarn et Garonne).

Two matrices of seals, one in silver of Albert Casimir, "Princeps Passariensis," and another of a religious community in Switzerland.

A silver gilt medal of Philip II. of Spain which has been converted into a pocket sundial, a silver and brass dial by J. M. Hager of Brunswick, a leather case of dentists' instruments of the 16th century, and a case for a pyx of cuir-bouilli, of the same date; presented by Max Rosenheim, Esq., F.S.A.

An astrolabe signed by P. Danfrie, 16th century, a telescope with case of stamped leather, probably Dutch of about 1680, and two French graphometers of the 18th century; presented by Baron Ferdinand Rothschild, M.P.

A copper gilt quadrant with the arms of an abbot. German, 17th century.

A remarkable ivory statuette of Bacchus by Baron de Triqueti; bequeathed by Mrs. Fane de Salis.

(5.) *Ceramic and Glass Collections:—*

(a.) *Oriental Wares.*—Three vessels of early glazed pottery from Babylon.

An albarello decorated in slip and painted in blue with birds and flowers, probably of the 13th century; found in Cyprus. A bowl engraved with a figure of a man (sgraffiato), 14th century; found at Enkomi, Cyprus.

A number of portions of Persian tiles of unusual character, found by the donor at Kerman, Persia; presented by Captain P. Molesworth Sykes.

(b.) *Continental.*—An interesting series of Italian quattro cento jugs and tiles; a jug of similar ware, presented by C. Fairfax Murray, Esq. A drug pot, probably of Faenza ware, presented by C. H. Read, Esq.

(c.) *English.*—A floor tile with a coat of arms from Malvern, and two others of the same character from Salisbury.

A large dish, blue, glazed, with the arms of Charles II., perhaps made at Lambeth, from the Reynolds Collection; presented by Sir A. Wollaston Franks, K.C.B.

A hollow brick found at Great Stanmore; presented by Sydney V. Klein, Esq.

(d.) *Glass.*—A small two-handled vase of blue glass made in a mould, and a small bowl of opaque, pale blue glass, both from the Greek islands.

A bowl of clear glass, with bosses of coloured glass, probably of Imperial Roman times, from Syria.

(6.) *Collection illustrating various Religions:—*

(a.) *Christianity.*—A bronze hanging lamp with griffon's head and the XP; said to have been found at Herculaneum;

from Prince L. Murat's collection; presented by Miss Sloane Stanley.

(b.) *Brahminism.*—A stone carving with male deity holding a bow; presented by Sir A. Wollaston Franks, K.C.B.

(c.) *Buddhism.*—Two rectangular sculptured blocks from the ruins of Bairant, near Benares; presented by H. C. Carlyle, Esq., by desire of the late Archibald C. Carlyle, Esq.

A Jain figure of white marble, with dedicatory inscription, dated Samwat, 1709 = A.D. 1652; dug up at Bijapur, and presented by J. F. Fleet, Esq., C.I.E.

(d.) *Taouism.*—A carved and gilt wooden tablet with mythical figures and inscriptions from Pekin; presented by Sir A. Wollaston Franks, K.C.B.

(7.) *Oriental and Ethnographical:*—

A remarkable silver dish, probably of Indian work of the earlier centuries of the Christian era, with repoussé figure of the Indian Dionysos. Found in a mound at Tonk, Dehra Ismail Khan, Panjab. Described and figured in "Archæologia," vol. 55. Presented by M. Longworth Dames, Esq.

A gilt copper vessel of unusual form, perhaps Persian of the 16th century; from the collection of the late Mr. Consul Wrench.

A bronze stand for a tray with elaborate engraved designs, bearing the titles of En Nasiri ibn Kalaun, Sultan of Egypt, who died in 1341.

Portion of an ancient ivory board for the game of mancala, from Ceylon; presented by Sir A. Wollaston Franks, K.C.B.

Silver box for suspension round the neck containing a ball of wax; from Southern India, used by the Lingaet sect.

Various charms and pendant ornaments from China; presented by Vyvyan Dent, Esq.

Four libation cups of rhinoceros horn, one of them inlaid with jade and silver, old Chinese; and a jacket covered with feathers, and said to have belonged to the famous Shogun of Japan, Taiko Hideyoshi; presented by Sir A. Wollaston Franks, K.C.B.

A carrying basket from Assam; presented by James Allen, Esq. A number of arrows and a trap for animals, from Northern India; presented by Lady Frere.

An important series of wooden carvings and figures from the Nicobar Islands; presented by Colonel R. C. Temple, C.I.E.

Africa.—Two pierced stones from Lake Tanganyika; presented by Alfred Sharpe, Esq., H.M. Consul, British Central Africa.

A number of objects from Nyassaland; presented by Sir H. H. Johnston, K.C.B. A skin bag containing blacksmith's

tools from British Central Africa; presented by Major Francis Trollope. A Zulu girl's dancing dress; presented by G. A. Champion, Esq. A carved wooden figure from West Africa; a carved fetish figure of wood from the Haussa country; presented by E. E. Blake, Esq.

A bronze tablet from Benin, obtained by the donor, Captain Crawford Cockburn. Four carved ivory tusks, representing the several styles in which they are ornamented, life-sized bronze head of a girl of unusual finish, two cast figures, a metal circlet and a brass staff, all from Benin, and presented by Sir William Ingram, Bart.

Three life-sized heads and three pendant plates with designs in relief, all of bronze, from Benin.

Oceania.—A lime gourd for betel chewing and a cocoa-nut, from the Solomon Group; presented by Miss Sloane Stanley.

America.—Remains from a cave-dwelling in N.W. Mexico; presented by J. Gurdon Stephenson, Esq., C.E. A polished stone axe of unusual size from Mancera, Chile.

III.—The Franks Bequest.

Sir Augustus Wollaston Franks, K.C.B., President of the Society of Antiquaries of London, and Keeper of this department from 1866 to 1896, died on 21st May 1897. By his will he bequeathed to the British Museum a very large number of objects, which may be summarized as follows:—

1. A collection of finger-rings of all ages and countries, numbering about 3,300.

2. A large number of examples of ancient, mediæval, and more modern goldsmith's work and jewellery.

3. A collection of drinking vessels of various materials and of all ages, but chiefly mediæval and later.

4. A collection of porcelain manufactured on the continent, numbering 512 specimens.

5. A collection of Japanese ivory carvings (netsuké), about 1,500 in number.

6. A collection of Japanese sword guards, about 850 in number.

7. A very large collection of book-plates (ex-libris), trade cards, tickets, etc.

8. Books on pottery and porcelain, for the library of the department.

9. In addition to the foregoing specific bequests the Trustees were empowered to select, from among the other works of art or curiosities, any that would be of value to the Museum.

So extensive a series of collections obviously cannot be here dealt with in any detail, but it may be of use to indicate

the character of, or the principal objects in, the various sections.

1. *Finger-rings.*

This collection occupied many years in its formation and contains rings of all periods. The classical series is very rich, including fine Greek rings, several of the first importance of Roman times, *e.g.*, those from the Treasure of Tarsus, and others of the same massive kind of the first half of the third century; a Christian marriage ring inscribed ACCIPE DULCIS MULTIS ANNIS, and a fine ring with the shoulders modelled in the form of figures of Atys. Among the Saxon and Byzantine rings the most remarkable, and probably the most important in the whole collection, is the ring of Æthelswitha, Queen of the Mercians and sister of Alfred the Great. It is not a little remarkable that this ring will now be shown by the side of the ring of the father of both, Æthelwulf, which has been in the Museum for many years. Among the rings of more modern date the following are worthy of mention, viz.: —a series of twelve of the so-called Papal rings, the large devotional ring with the "Five Wells" known as the "Coventry ring," a rich series of signet rings, including one of a Courtney, a number of Hebrew betrothal rings, a collection of mourning rings extending over about two centuries, a large number of wedding rings with mottoes or posies and a long series of ancient Javanese and other Oriental rings.

2. *Goldsmith's Work and Jewellery.*

This section includes a large quantity of jewellery and other objects in the precious metals, many of them of classical times, but with the exception of the "Treasure of the Oxus," the greater part is of mediæval and later times.

The "Treasure of the Oxus" is without doubt the most important part of this section from the archæological point of view. It consists of a large number of utensils and works of art, chiefly in gold, which have been sent to England from the N.W. Frontier during a certain number of years past, and it includes also a similar collection formed in India by the late Sir Alexander Cunningham, by whom it was ceded to Sir Wollaston Franks.

As works of art the most important are: a large gold armlet with two gryphons in full relief, their wings once set with pastes or stones; the remains of a dagger sheath with hunting scenes in low relief in Persepolitan style; two discs, one in gold the other in silver, with designs of a similar character; a gold jug, the handle terminating in a lion's head; and a model of a king in his chariot, in gold.

The principal piece of historical interest is the gold signet of a Persian king of about 350 B.C. whose name has been read as Phahaspes. The Treasure contains a very large

number of objects, armlets, thin gold plates with figures of Persian warriors, as well as many smaller articles of adornment.

Among the classical jewellery may be mentioned two shoulder ornaments of gold from the Fould collection, with Etruscan designs in granular work; a large series of jewellery earrings, etc. from Crete; two small gold bells, from the Treasure of Tarsus in Cilicia, with the labours of Hercules; and a number of articles of Roman date found in Egypt.

Of post-classical times the representation is fully as great. It includes a find of gold ornaments of the Lombard time from the North of Italy, a limited series of Byzantine objects, a number of mediæval brooches with devices and mottoes, a remarkable set of 15th century jewels found in the Meuse, a hoard of silver ornaments of Italian work found in the Castle of Chalcis in Eubæa; pendants and earrings in the form of ships of Venetian work; the gold covers of a small devotional book, enamelled, and of English work, temp. Henry VIII.; several fine cinque-cento jewels, spoons, enamelled miniature portraits, etc.

3. *Drinking Vessels.*

This collection has been on loan and exhibited in the Gold Ornament Room for some years. It consists of more than 150 cups and other drinking vessels formed of gold, silver, wood crystal and a variety of other materials.

Among the most remarkable and important are the following: A hoard of silver vessels of doubtful date but of somewhat classical style from Van in Armenia; a series of Roman silver bowls, spoons, etc., some of them with Christian symbols, found with articles of jewellery, on the Hill of St. Louis, Carthage; dishes, etc. of Sassanian work, one of them with a figure of Sapor II.; a Saxon silver bowl found in Lancashire full of coins of Canute; an Arab crystal cup of the 13th century in Flemish silver mount of the 14th; several mazer bowls, including the Rochester mazer and the mazer with enamelled mounts of Louis de Male, last Count of Flanders; glass jug with silver mounts with the arms of the great Lord Burghley; and a remarkable globe cup with a map of the world after Oronce Finé.

4. *Continental Porcelain.*

This collection consists of 512 specimens, representing most of the factories of Europe. It is especially valuable for the great number of marked pieces, some of them of great rarity; and the collection is for this reason of especial value for the history of the various factories. The whole is now on loan to the Science and Art Department and is exhibited at the Bethnal Green Museum. A catalogue, written by Sir Wollaston Franks, has been printed by the Department.

There is at present no room at the British Museum for the display of the collection.

5. *Japanese Ivory Carvings.*

This large and important series has been on loan and exhibited at the museum for some years past, it consists of about 1,500 of the small carvings known as netsuké. This collection is of especial value for several reasons ; it includes examples of most, if not all, of the best known artists in this style of Japan, and further it gives an unusually complete representation of the manners and customs, the legends, folk lore, and ordinary occupation and dress of the Japanese, all on a conveniently small scale.

6. *Japanese Sword Guards.*

This collection numbers about 850 pieces. Its interest is of much the same character as that of the foregoing section, the subjects being of a similar kind, although the warlike element is somewhat more prominent. In addition the various metals employed show the extraordinary skill of the Japanese in alloying and otherwise treating metals in an artistic manner.

7. *Book Plates, Trade Cards, etc.*

This very large series is in the Department of Prints and Drawings.

8. *Books on Pottery and Porcelain.*

This portion of the bequest comprises about 370 works on the subject, and forms a most useful addition to the library of the Department. Several of the works are of some considerable value; but the great importance of the bequest is that the Department now possesses what was practically the working library of Sir Wollaston Franks, on a subject in which he took the keenest interest.

9. *Selections.*

The somewhat difficult task of selecting from among the very numerous collections not specifically bequeathed, was much simplified by the fact that Sir Wollaston Franks had, during his life time, already presented nearly all the objects that he thought worthy of being placed in the Museum Collections. The selection that has been made comprises a number of additions to the continental porcelain which Sir Wollaston Franks had bought since the catalogue was printed ; a few examples of Oriental and other wares ; a few specimens of glass and of Japanese lacquer ; a number of enamelled portrait miniatures, as well as charms and other curious

objects. In making this selection the trustees had the valuable aid of one of their number, Mr. Drury Fortnum, whose great knowledge of works of art, and long friendship with Sir Wollaston Franks made his help of exceptional value.

It is proposed that, for a time, at any rate, the principal collections of Sir Wollaston Franks shall form a separate exhibition in the Museum. Catalogues of some of the sections are in progress, and will appear from time to time. It is felt that the publication of such catalogues is a better recognition of the importance of the bequest than a permanent separation of the objects bequeathed from others in the museum of which they are in many cases the complement.

The foregoing summary account gives an idea of the extraordinary extent and importance of the accessions to the Museum under the will of one of the greatest benefactors that it has ever known. To the devotion of a lifetime, in which almost every hour was given to the service of the Museum, Sir Wollaston Franks, by this munificent bequest, added to his constant benefactions up to the day of his death, has raised to himself a monument which will equal the great reputation he enjoyed during his life.

IV.—Christy Collection.

Six hundred and seventy-six additional slips have been prepared for the Registration Catalogue, with sketches of the objects.

The Christy Trustees have acquired, by donation and purchase, the following objects, which they have transferred to the Trustees of the British Museum.

I.—*Prehistoric Antiquities of Europe, Asia, and Africa*:—

A pierced quartzite hammerstone, from St. Andrew's; a ground stone axe-head, from Hampton, Middlesex; a flint flake, from Southall, Middlesex; a pierced stone axe-hammer, from the neighbourhood of Königsberg, Germany; and a series of ground stone implements, from Asia Minor; presented by Sir A. Wollaston Franks, K.C.B.

A pierced stone axe-hammer, from Yverdon, Switzerland; presented by C. H. Read, Esq., F.S.A.

II.—*Ethnography of Asia*:—

An instrument for compressing infants' heads, a fire-syringe, and a surgical instrument, from Sarawak, Borneo; presented by Charles Hose, Esq.

III.—*Ethnography of Africa.*

Purchases.

Four ceremonial objects from West Africa; a considerable collection of objects obtained after the capture of Benin City, comprising castings in metal, and carvings in wood and ivory. Among the latter may be specially mentioned two elephants' tusks entirely covered with figures of men and animals in low relief.

IV.—*Ethnography of Oceania and Australasia:—*

Donations.

Two flax cloaks and a specimen of wood-carving, from New Zealand; a club from Fiji; a comb from Micronesia; Sir A. Wollaston Franks, K.C.B.

An arrow from Santa Cruz, New Hebrides; George Bolden, Esq.

A stone pounder from Brisbane, Queensland; B. H. Purcell, Esq.

A stone slab for grinding nuts, from Queensland; various dresses from the Pacific Islands; J. Edge-Partington, Esq.

An adze-head of green stone from Woodlark Island, British New Guinea; W. Whitten, Esq.

Purchases.

An axe-head from New Guinea; a shell necklace from Micronesia; a small series from British New Guinea; and a collection of objects from Queensland.

V. *Antiquities and Ethnography of America:—*

Donation.

Model of a totem post in slate, from the Queen Charlotte Islands; Sir A. Wollaston Franks, K.C.B.

Purchases.

A soapstone tobacco-pipe from the mounds of North America; a small series of stone implements and pottery, from British Honduras; a club from Guiana; four earthenware vessels from Peru; and a large and important series illustrating the culture of ancient Ecuador, chiefly consisting of stone implements and pottery, and originally collected by Edward Whymper, Esq., during his travels amongst the Great Andes of the Equator.

Charles H. Read.

Department of Coins and Medals.

I.—*Exhibitions.*

Electrotypes of a representative series of English coins from William the Conqueror to Charles I., inclusive, have been mounted, and placed on exhibition in the corridor adjoining the Medal Room.

1,200 Descriptive Labels have been written for the exhibition of English, Scottish, and Irish coins.

II.—*Registration and Arrangement.*

1. *Greek Series:*—

1,007 coins have been registered, and 1,498 incorporated.

In accordance with recently published researches, rectifications have been made in various series of the coins of Asia Minor, and the coins formerly given to Laodicea ad Libanum have been transferred to Berytus. Nine silver coins have been removed from Antioch in Syria and placed under their proper mints.

Five coins hitherto regarded as "Uncertain" have been identified.

Numerous series of coins have been examined, and selections, where necessary, made for the Museum. Among these series were the second portion of the Montagu collection, various parcels of coins of Asia Minor and Syria, and several hundred tetradrachms and drachms of Alexander the Great.

Parts of the series of Thrace and Macedon have been examined in answer to the queries of foreign scholars, and casts have been supplied to the compilers of the Berlin *Corpus Numorum*.

The manuscript bibliography of Greek Numismatics has been brought up to date.

In preparation for the Catalogues the following series have been arranged in chronological order, and the specimens in silver weighed:—

Catalogue of *Galatia, Cappadocia*, etc.:—Leucas, Chalcis ad Libanum, Cæsarea Panias, Gaba, Damascus, Canatha, Antiochia ad Hippum, Dium, Philadelphia, Antiochia ad Orontem.

Catalogue of *Lydia:* — Acrasus, Aninetus, Apollonis, Apollonos-Hieron, Attaleia, Aureliopolis, Bagis, Blaundus, Briula, Caÿstriani, Upper and Lower Cilbiani, Clannuda, Daldis, Dios-Hieron, Hermocapelia, Hierocæsarea, Hypæpa, Hyrcanis, Julia Gordus, Mæonia, Magnesia ad Sipylum, Mastaura, Mostene, Nacrasa, Nysa, Philadelphia, Saitta, Sala Domitianopolis, Sardes, Silandus, Stratonicea ad Caïcum, Tabala, and Thyatira.

Catalogue of *Cilicia*, etc.:—Barata, Dalisandus, Iconium, Ilistra, Laranda, Lystra, Parlaïs, Savatra, in Lycaonia; and Carallia and Coropissus in Cilicia.

A bibliography of the numismatics of Lycaonia and Cilicia has been prepared.

The work of writing tickets referring to the published volumes of the Catalogues has proceeded as follows:—Catalogue of *Caria*, etc., 1,763 tickets (completing the volume); *Lycia*, etc., 632 tickets.

Casts have been made for the illustration of the Catalogue of *Galatia*, etc., and arranged on 38 plates.

The collection of Forgeries (chiefly of Greek coins) has been expanded and rearranged in two cabinets.

2. *Roman Series*:—

208 coins recently acquired (143 from the Montagu Collection) have been registered, and 157 incorporated.

A large hoard (Treasure Trove, from Southsea, Hants), of about 950 specimens, dating from the time of Constantine to that of Julian the Apostate, has been examined, and a selection made for the Museum.

3. *British and Colonial Series*:—

760 coins and medals recently acquired have been registered, and 685 incorporated.

The whole English series has been expanded by the incorporation of three new cabinets, and numerous heading-cards and labels have been written.

The Irish coins from Henry VII. to George IV., formerly exhibited, have been restored to their places, electrotypes having been made for exhibition in their stead.

Three English tickets, hitherto regarded as uncertain, have been identified.

The following series have been examined and, where necessary, selections made for the Museum:—The Montagu Collection of English Medals; the Montagu Collection of English Coins (5th portion); and Treasure Trove from Crediton (1,885 coins from Edward VI. to Charles II.); Gateshead (59 coins Edward I. to Edward III., and Alexander III.); and Balcombe (754 coins of the same period).

4. *Mediæval and Modern Series*:—

83 coins and medals, recently acquired, have been registered and incorporated.

The expansion and re-arrangement of the Russian coins, in four cabinets, with fresh heading-cards and labels, have been completed.

The medals of the various German States have been withdrawn from the King's Cabinet and arranged, with heading-cards and labels, in two new medal cabinets.

The collection of Bank-Notes, etc., has been arranged and mounted.

A series of drawings of coats of arms (occurring chiefly on uninscribed German coins) has been commenced, in order to facilitate identification.

5. *Oriental Series :—*

1,081 coins (from the Cunningham, and other collections, recently acquired) and 3 Siamese medals have been registered and incorporated.

Rectifications have been made in the following series :— Sakas, White Huns, Sassanian, Valabhī, Mahakosala, Eastern Calukya.

The whole of the various series of Northern India from the earliest to mediæval times have been re-arranged, and fresh labels and heading-cards, giving the dates of the dynasties and references to the latest numismatic authorities, have been written.

200 tickets giving references to the catalogue of Moghul coins have been written and placed beneath the specimens.

A descriptive list of Indian coins to be electrotyped for exhibition has been drawn up, and a list of coins of Assam has been prepared.

The coins of the Kotas, who were hitherto known only from an inscription, have been identified and arranged.

6. *Labelling of Cabinets :—*

Outside labels have been written specifying the contents of 74 cabinets.

III.—*Catalogues.*

Greek Series :—

The Catalogues of the coins of *Caria and Islands*, by B. V. Head, and of *Lycia, Pamphylia, and Pisidia*, by G. F. Hill, have been printed and issued.

Catalogue of the coins of *Galatia, Cappadocia, etc.*, by W. Wroth. 2 half-sheets (= 16 pp.) and plates I. to XIII. sent to press.

IV.—*Acquisitions.*

The total number of Coins and Medals added to the Department during the year 1897 is 1,548, of which 42 are of gold or electrum, 824 of silver, 664 of bronze, and 18 of other metals.

Of these, 301 have been presented or bequeathed, viz. : 3 of gold, 121 of silver, 167 of bronze, and 10 of billon.

The donations are chiefly due to the generosity of the following persons :—H. F. Amedroz, Esq., E. Denny Bacon, Esq., M. Maurice Barbey, The Hon. Algernon Bourke, W. Brooke, Esq., Charles Davis, Esq., Miss M. E. Daw, the

Rev. A. Dixon, the Rev. H. Dixon, Mrs. Etheridge, Sir John Evans, K.C.B., the Rev. W. K. Firminger, the late Sir A. Wollaston Franks, K.C.B. (bequest), John Gordon, Esq., Lord Grantley, F.S.A., H. A. Grueber, Esq., F.S.A., G. F. Hill, Esq., M.A., the Rev. Cyril E. Hubbard, L. A. Lawrence, Esq., Alfred J. Lawson, Esq., Lieut.-Col. B. Lowsley, Major E. St. F. Moore, G. H. Pedler, Esq., Spencer Geo. Perceval, Esq., Capt. T. E. Pinkett, Rev. Edw. Riggs, E. J. Seltmann, Esq., Cecil H. Smith, Esq., LL.D., Mrs. S. Thacker, Sydney Vacher, Esq., Hermann Weber, Esq., M.D., Col. L. Worthington Wilmer, and D. T. Baird Wood, Esq.

Of the 1,247 specimens added during 1897 to the Department of Coins and Medals by purchase, the most valuable were acquired at the sales by auction of the remaining portions of the famous collections of the late Sir Edward H. Bunbury, Bart., and of the late Mr. Hyman Montagu.

The following Table shows the number of the new acquisitions in the various metals, classified according to the several series to which they belong:—

CLASS.	Gold.	Electrum.	Silver.	Bronze.	Mixed Metals.	TOTAL.
Greek	19	1	313	497	6	836
Roman	3	–	43	7	–	53
British and Colonial	14	–	348	59	6	427
Mediæval and Modern	1	–	61	33	6	101
Oriental	4	–	59	68	–	131
TOTAL	41	1	824	664	18	1,548

REMARKABLE COINS AND MEDALS.

1. *Greek Series:—*

(*a.*) Europe.

Britannia.—Five unpublished silver coins of the Brigantes, of the time of King Venutius, found near Honley in 1894. Among them is one of unusual interest, the inscription **CARTI** upon it showing that it was struck by Queen Cartimandua, who is known in history as the betrayer of Caractacus. She rebelled against her husband Venutius in A.D. 69, and, in conjunction with Vellocatus, the King's armour-bearer, succeeded for a short time in ousting him from his kingdom. (Tacitus, Hist. III. 45.) *Presented by W. Brooke, Esq.*

Thurium in Lucania.—B.C. 390–350. A beautiful tetradrachm with an artist's signature **ΕΥΦΡ.** in the *exergue From the Montagu Collection.*

Gela in Sicily.—Circ. B.C. 412. A specimen of the rare gold diobol issued after the defeat of the Athenians in Sicily. On the *obverse* is the head of the Saviour Goddess, accompanied by her title **ΣΩΣΙΠΟΛΙΣ**. *From the Montagu Collection.*

Syracuse in Sicily.—An exceedingly beautiful tetradrachm of the latter part of the fifth century, B.C. *Obverse,* Head of Goddess with hair confined in a saccos, adorned with a stripe of mæander and zigzag patterns. *From the Montagu Collection.*

Abdera in Thrace.—B.C. 408–350. A very rare silver stater (W^t. 172·8 grs.). *Obverse,* Griffin recumbent; *reverse,* Herakles standing with club and bow; *Symbols,* scallop-shell and dolphin. *Inscr.* **ΕΠΙ ΤΗΛΕΜΑΧΟ**. *From the collection of the late Earl of Ashburnham.*

Macedonia, Philip II., B.C. 359–336.—A gold double-stater and an eighth of a gold stater, both very rare denominations.

Macedonia, Alexander the Great.—A gold medallion from the famous *Trésor de Tarse,* discovered in 1863, belonging to the time of the Emperor Severus Alexander, whose extraordinary cult of Alexander the Great induced him to strike medals in his name. (Cf. *Script. Hist. Aug.,* Alex. Sev. C. xxv. Alexandri habitu nummos plurimos figuravit et quidem electros aliquantos sed plurimos tamen aureos.) *From the Montagu Collection.*

Macedonia, Alexander the Great.—A fine specimen of the extremely rare tetradrachm said to be of Alexander's first coinage, B.C. 336–334. *From the Montagu Collection.*

Macedonia.—Two very rare drachms of Philip V., and Perseus, the last kings of Macedon, and a specimen of the rare tetradrachm of the Roman Province of Macedonia, issued by authority of the *Legatus,* and inscribed with the Latin letters LEG.

Macedonia. Berœa in Emathia.—A bronze coin of the Emperor Philippus Junior, dated **ϵOC** (= 275 of the Actian, and 245 of the Christian era). *Obverse,* Head of Alexander the Great; *reverse,* Agonistic type representing the Umpire of the Games (Βραβεύς) sacrificing at an altar placed in front of a table on which stand the prizes to be awarded to the victors. *From the Montagu Collection.*

Chalcidice in Macedonia.—B.C. 392–379. Tetradrachm. *Obverse,* Head of Apollo; *reverse,* Lyre with seven chords. Magistrate's signature, **ΕΠΙ ΟΛΥΜ** . . . . . *From the Montagu Collection.*

Lete in Macedonia.—Circ. B.C. 500. Two silver staters, of different styles of work, showing on the *obverses* a Silenus seizing a woman by the wrist. *From the Montagu Collection.*

Orrescii in Macedonia.—Circ. B.C. 500. A silver stater, of fine archaic work, representing a Centaur carrying off a struggling woman. *From the Montagu Collection.*

Ætolia.—Circ. B.C. 279–168. A silver stater with the head of Ætolus on the *obverse,* and a figure of the same hero on the *reverse,* resting on his spear with one foot on a rock. *From the Montagu Collection.*

Locri Opuntii.—A silver stater. *Obverse,* Head of Persephone; *reverse,* the Locrian Ajax: a coin of great interest, as it bears traces of an engraver's signature, possibly **ΚΙΜΩΝ**, behind the head of the goddess, from which it would appear that the well-known Sicilian artist was employed by the Locrians to engrave their coin-dies. *From the Montagu Collection.*

Delphi.—A unique silver stater dating from the early years of the fifth century, B.C. *Obverse,* Ram's head and dolphin; *reverse,* Incuse square quartered, resembling a temple-ceiling of the "coffered" type. Wt. 186·5 grs. (Cf. Head, *Hist. Num.,* p. 289.) *From the Collection of the late Earl of Ashburnham.*

Tenea, near Corinth.—A bronze coin of Julia Domna. Tenea was a mere village until after the destruction of Corinth, when it began to assume more importance. No coins of Tenea were previously in the Museum.

Gortyna in Crete.—A bronze coin of Trajan. *Reverse,* the hero Gortys. (Cf. Svoronos, *Crète,* p. 348.)

Cyclades (?).—An archaic silver stater, unique and unpublished, circ. B.C. 600. *Obverse,* Toad or Frog; *reverse,* Irregular incuse square. Wt. 189 grs. The attribution of this remarkable coin is uncertain, but there can be no doubt that it belongs to the class of archaic coins of which about 760 specimens of various types were discovered in the island of Thera (*Santorin*) in 1821. The Toad is quite a new type, which it is at present difficult to account for. *From the Montagu Collection.*

(b.) Asia :—

Pontus.—Mithradates the Great (*Eupator*).—A rare tetradrachm, of which only a very few specimens have lately been discovered, on which the king's title reads **ΒΑΣΙΛΕΩΣ ΕΥΠΑΤΟΡΟΣ**, his name **ΜΙΘΡΑΔΑΤΟΥ** being omitted. Also a tetradrachm from the Bunbury Collection bearing a very realistic portrait of the same king and struck in the year 208 of the Bithynian era (= B.C. 90–89).

Amasia in Pontus.—Two bronze coins of Sept. Severus and Geta with representations on the *reverses* of the great sacrificial altar of Zeus Stratios. (*See* Appian., *Mithrid.*, ed. Steph. p. 215.) *From the Bunbury Collection.*

Bithynia.—Nicomedes II., B.C. 149–95. Seven tetradrachms showing successive portraits of the King at different periods of his reign. *From the Bunbury Collection.*

Cyzicus in Mysia.—An electrum stater having on the obverse a very bold and picturesque head of Odysseus wearing a conical hat wreathed with laurel. This is the finest of three specimens known. *From the Collection of the late Earl of Ashburnham.*

Alexandria Troas.—A drachm dated 223 of the Seleucid era (= B.C. 90) bearing a full length figure of Apollo Smintheus and a magistrate's signature **ΑΓ]ΧΙΠΥΛΟΥ**.

Antandrus in the Troad.—A drachm with a head of Artemis Astyrene on the *obverse* and a goat on the *reverse*. *From the Bunbury Collection.*

Assus in the Troad.—An unpublished medallion of the reign of Marcus Aurelius.

Asia, Roman province.—Eleven rare Cistophori of Adramyteum, Parium or Apamea, and Pergamum, and 41 others of Ephesus, Sardes, and Tralles, some with names of Roman Proconsuls. *From the Bunbury Collection.*

Alexander the Great.—Twenty-seven Asiatic silver coins, a few of Alexander's own time, but chiefly belonging to the interesting class of coins of a commemorative character struck in Western Asia Minor in the early part of the 2nd Cent. B.C. *From the Montagu Collection.*

Ephesus in Ionia.—An extremely rare gold coin of which only one other example is known (Thomas Sale, 1844). Mommsen (*Hist. Mon., Rom.*, Vol. II., p. 444) is of opinion that it was struck by Sulla in B.C. 84 for circulation in the Roman province of Asia. On the *obverse* is a bust of the Greek Artemis and on the *reverse* a cultus-effigy of the Asiatic or

Ephesian Artemis with many breasts and outstretched arms. *Purchased in Cyprus.*

Ephesus in Ionia.—A rare didrachm of the reign of Nero, inscribed with its legal current value **ΔΙΔΡΑΧΜΟΝ**. *From the Bunbury Collection.*

Erythræ in Ionia.—A very rare tetradrachm, B.C. 387–300, with name of the eponymous magistrate, **ΦΑΝΝΟΘΕΜΙΣ**. *From the Bunbury Collection.*

Erythræ in Ionia.—A bronze coin of Antoninus Pius. *Reverse,* a recumbent River-god accompanied by his name **ΑΛΕΩΝ**, which confirms the reading of Pliny (*H. N.*, V. 29), "*nunc est Aleon fluvius,*" a reading which, on the authority of another coin of Erythræ with a river named **ΑΞΟC**, has been generally disputed. These coins show that there must have been two streams in the territory of the city, the Aleon and the Axus.

Alabanda—Antiochia in Caria.—B.C. 197–189. A rare tetradrachm with name **ΧΡΥΣΟΓΟΝΟΣ**. *From the Montagu Collection.*

Cidramus in Caria.—A bronze coin of Caracalla. *Reverse,* veiled goddess in distyle temple with coiled serpent beside her; a new type.

Hydisus in Caria.—A bronze coin of the 1st cent. B.C. Of this place, the name of which occurs in the Athenian Tribute Lists, only two or three coins are known. The present specimen is a new variety, and bears a magistrate's name **ΔΡΑΚΩ[Ν]**.

Rhodes.—A unique gold stater circ. B.C. 200. *Obverse,* Radiate head of Helios, three-quarter face; *reverse,* **P—O,** rose with bud, above which, legible traces of magistrate's name **ΑΓΗΣΙΔΑΜΟΣ**, and, to left, his signet, a figure of Artemis running, holding a torch. The name of this magistrate, accompanied by the same symbol, occurs on silver coins, but this is the only gold coin, as yet known, struck at Rhodes between the age of Alexander the Great and the revival of commercial prosperity which followed the defeat of Antiochus by the Romans at Magnesia, B.C. 190. *From the Montagu Collection.*

Lydia.—A gold stater of the highest rarity, of the time of King Crœsus, B.C. 568–554. *Obverse,* foreparts of Lion and Bull facing one another; *reverse,* double incuse square. This gold stater is of the Babylonic standard, and weighs 164·2 grs. It was probably equivalent in value to one of the *electrum* staters of the Phœnician standard issued from various mints on the west coast of Asia Minor during the 6th cent. B.C. (*See Rev. Num.* 1895, p. 359.)

Stratonicea ad Caïcum, in Lydia.—An extremely rare Cistophorus struck in the name of King Eumenes II., of Pergamum in B.C. 186. *From the Bunbury Collection.*

Cotiæum in Phrygia.—Alliance with Ephesus. A medallion of Caracalla with the unusual inscription **ΟΜΟΝΟΙΑ ΠΡΟC ΕΦΕCΙΟΥC**. *Reverse,* the goddess Kybele seated between effigy of Ephesian Artemis and personification of City of Cotiæum.

Synaus in Phrygia.—Bronze of Philip Senior. *Reverse,* the god Sabazios on horseback.

Temenothyræ in Phrygia.—A large medallion of the age of the Antonines with a very interesting reverse type, Herakles striding to left with a torch in his extended right hand. Before him is a statue of a goddess (Pallas?) on a column and a running figure of Eros. Herakles appears to be setting fire to some temple. An imperfect specimen of this coin in the French Coll. is wrongly described by Mionnet as Herakles burning the heads of the Hydra.

Lycia.—A silver stater of the satrap Artembares (5th cent. B.C.) and a lead trial-piece or pattern for a silver coin, of which no specimens have yet been discovered. *From the Bunbury Collection.*

Lycia?—Two archaic silver coins recently found in the island of Nisyros. *Obverse,* Bull's head of decorative style; *reverse,* Incuse of Lycian style.

Lycia.—Erbbina. Dynast of Telmessus.—Silver stater. *Obverse,* Head of Athena; *reverse,* Ερββινα in Lycian characters. Herakles fighting; nude but for his lion's skin, which covers his head and left arm. He has a quiver at his left side and carries his bow and club. A rising ground is represented under his feet. This coin, which belongs to the 5th cent. B.C., bears some likeness to a bronze figure in the Bibliothèque Nationale (Babelon-Blanchet, *Cat.* No. 518) which is probably a copy of an original about 100 years older than the coin.

Gagæ in Lycia.—A unique drachm of the Federal type. The only known silver coin of the town.

Œnoanda in Lycia.—A unique stater of the early part of the 2nd cent. B.C. *Obverse,* a fine head of Zeus with a sceptre behind; *reverse,* **ΟΙΝΟΑΝΔΕΩΝ**, Eagle on thunderbolt: the only known coin of the town, and additionally important as fixing the attribution to a neighbouring city, *Termessus ad Œnoanda,* of a number of coins which have hitherto been confused with those of the Pisidian city Termessus Major.

Side in Pamphylia.—Fourteen silver coins bearing countermarks for the most part of well-known Cistophoric mints, *e.g.*, Ephesus, Sardes, Tralles, Pergamum, Apamea, Synnada, etc. *From the Bunbury Collection.*

Cremna in Pisidia.—A bronze coin of Geta. *Reverse,* the goddess Mida, a form of Kybele, seated.

Pogla in Pisidia.—A bronze coin of Commodus. *Reverse,* Zeus seated. The worship of Zeus at Pogla with the title Μέγιστος is recorded in an inscription published in the *Athenische Mitth.* X. 336.

Cilicia.—Two silver staters of the Satrap Mazæus, B.C. 361–333, and a bronze coin of King Tarcondimotus (*ob.* B.C. 31). *From the Bunbury and Montagu Collections.*

Alexandria ad Issum in Cilicia.—A bronze coin having on the obverse a radiate head of Antiochus Epiphanes in the centre of a Macedonian shield.

Mallus in Cilicia.—An interesting archaic silver stater. *Obverse,* a winged divinity running; *reverse,* a sacred conical stone (baitylion).

Nagidus in Cilicia.—A silver stater of the 4th cent. B.C. *Obverse,* Aphrodite enthroned with Eros crowning her; *reverse,* Dionysos standing.

Olba in Cilicia.—A bronze coin of the High Priest of Zeus, who was also Toparch of Cennatis and Lalassis in the reign of Augustus. (*See* Head, *Hist. Num.*, p. 609.)

Cyprus.—Six 4th century coins of kings of Amathus, with new inscriptions in Cypriote characters, of considerable interest.

Cæsarea in Cappadocia.—A rare silver coin of Nerva, with the inscription **ΟΜΟΝ.CTPAT.** (Ὁμόν[οια] Στρατ[οπέδων]) the Greek equivalent of the Latin "Concordia exercituum."

Syria, Seleucid Kings.—Thirty-one beautiful tetradrachms specially selected by the late Sir Edw. Bunbury as bearing the most characteristic portraits of the several monarchs. *From the Bunbury Collection.*

Tripolis in Phœnicia.—Two rare tetradrachms of the 2nd cent. B.C. *From the Montagu Collection.*

Persia.—A gold Daric and a twelfth of a Daric, also in gold, the latter a coin of the greatest rarity. *From the Montagu Collection.*

Babylon.—A tetradrachm of the Satrap Mazæus, B.C. 331–328, and a gold double-daric of the Satrap Stamenes, B.C. 327–325. (*See* Imhoof-Blumer, *Die Münzstätte Babylon,* Wien, 1896.) *From the Montagu Collection.*

(*c*) Africa:—

Egypt.—A selection from a recent find of tetradrachms of Alexander IV., son of Alexander the Great, struck in Egypt shortly before B.C. 305, when Ptolemy assumed the title of king.

Egypt.—Ptolemy I. (*Soter*).—A gold stater struck in Cyrenaïca, B.C. 308–305, under the government of Magas; *reverse,* Alexander as youthful Zeus Ammon, in a quadriga drawn by elephants. *From the Bunbury Collection.*

Egypt.—Arsinoë II. Philadelphos.—A rare silver decadrachm with the mint-mark **ΩΩ** behind the Queen's head. *From the Bunbury Collection.*

Egypt.—Seven rare varieties of the bronze coins of the Nomes of Egypt. *From the Bunbury Collection.*

Barca.—A rare tetradrachm of the 5th cent. B.C., earlier in style than any other specimen in the British Museum. *From the Bunbury Collection.*

Cyrene.—Two very fine tetradrachms, one formerly in the Bompois Collection, and two rare didrachms, one of them unique. *Obverse,* Head of Apollo; *reverse,* Silphium plant and Palm tree, perhaps denoting the re-union of Cyrenaïca with Libya in the time of Ptolemy Soter. *From the Bunbury Collection.*

2. *Roman Series:*

Octavius.—An aureus of great rarity struck in B.C. 27. *Obverse,* Bust of Octavius with Capricorn beneath it; *reverse,* AEGVPT. CAPTA, Crocodile.

Agrippa.—A rare second brass coin. *Reverse,* Neptune and Dolphin between Sun, Moon, and Stars. *From the Montagu Collection.*

Vespasian.—A denarius of great rarity, formerly in the Wigan Cabinet. *Obverse,* Head of Sol, radiate; *reverse,* the Emperor standing. *From the Montagu Collection.*

Southsea Treasure Trove.—36 silver coins, comprising very rare specimens of Constantine the Great, Crispus, Constantine Junior, Constans, Constantius II, Magnentius, Constantius Gallus, and Julian the Apostate.

3. *British and Colonial Series:*

A selection from the Balcombe (Sussex) Treasure Trove, consisting of 8 gold and 271 silver coins of Edward III. and Richard II. of England, and of Alexander III., David II., and Robert II. of Scotland.

Henry V.—An Anglo-Gallic gold *Salute* of great rarity. *Obverse,* a representation of the Annunciation, with the shield of France and England between the Angel Gabriel and the Virgin. *Reverse,* a plain cross between the Fleur-de-lis of France and the Lion of England. *From the Richardson Collection.*

Elizabeth.—A medal, unique in silver, of Queen Elizabeth, struck in 1602. *Reverse,* Elizabeth as Minerva trampling on a dragon and a snail. *From the Montagu Collection.*

James I., Charles I., and Charles II.—Thirteen silver coins from the Crediton Treasure Trove.

Prince Rupert.—A silver portrait-medal by the Dutch artist Deric van Riswick. The prince is represented nearly full-face. *From the Montagu Collection.*

Charles II.—An unpublished silver medal, probably struck for the king towards the end of his reign, and intended for presentation; *reverse,* the Sun. *From the Montagu Collection.*

A portrait-medal in bronze of *John Inglis,* physician in ordinary to William III. and Anne. Made in Italy in 1703. *From the Montagu Collection.*

A silver engraved medal with portaits of Eugène, Marlborough, Overkirk, and the Prince of Orange, commemorating the victories of the Campaign of 1708 in the Low Countries. *From the Montagu Collection.*

4. *Mediæval and Modern Series:*

An eleventh century denier of the Bishopric of Lausanne.

Thirty-eight Bracteates of Strasburg and Toul. *Presented by H. A. Grueber, Esq.,* F.S.A.

A denier of Albert de Kuyck, Bishop-Elect of Liége. A.D. 1194.

A very rare gold coin struck at the Abbey of Thorn in the Province of Limbourg, Belgium, by the Abbess Marguerite de Bréderode, A.D. 1531-1577. The coin is a close imitation of the English angel of the time of Henry VIII., but the reverse legend is MONETA NOVA AVREA THORENSIS. *Presented by the Rev. C. E. Hubbard.*

A silver medal of William V., Stadtholder of the United Provinces of Holland, struck in 1752, when, at four years of age, the child received the Order of the Garter from his grandfather George II. of England.

A memorial medal in silver of Cornelius van den Brande, Governor of Flanders and an English Baronet (ob. 1746).

Two Dutch silver medals commemorating the death of Martin Tromp in the engagement between the English and Dutch fleets on August 10th, 1653. *From the Montagu Collection.*

5. Oriental Series:

Six specimens in some alloy of bronze of a coinage, hitherto unknown, bearing the inscription Viṣama-siddhi, which is known from other sources to have been the title of Viṣṇuvardhana, a king of the Eastern Calukya dynasty of Southern India (A.D. 663–672). *From the Government Museum, Madras.*

Ten coins of Baroda.

Fifty coins, mostly new and unpublished varieties of the coinage of the Seljūks, Ortukīs, Āyyūbīs, Mongols of Persia, and other Muhammadan dynasties. *Presented by H. F. Amedroz, Esq.*

Two extremely rare Dirhems struck at Acre by the Crusaders in A.D. 1251, bearing formulæ of the Christian Faith in Arabic characters. *Presented by H. A. Grueber, Esq.*, F.S.A.

A gold coin of Vijayabāhu, king of Ceylon, A.D. 1186–7, the only specimen in gold known of the coinage of this monarch.

V.—*Students and Visitors.*

The number of students and visitors to the Department of Coins and Medals during the year 1897 was 2,934.

Barclay V. Head.

X.—British Museum (Natural History).

STATEMENT of Progress made in the Arrangement and Description of the Collections, and Account of Objects added to them, in the Year 1897.

General.

Visitors.

The visitors to the Natural History Museum in 1897 numbered 422,607, as compared with 453,956 in 1896. The attendance on Sundays was well maintained, nearly 50,000 persons having in the course of the year availed themselves of the privilege afforded them. The average daily attendances for the year were:—For all open days (including Sundays), 1,167; for weekdays only, 1,203 (nearly); and for Sundays, when the Museum is open only during part of the day, 956·5.

Structural Works.

Provision has been made in the Estimates for 1897-8 for the construction of an upper floor over the studies in the building for specimens preserved in spirit. The work was commenced in the autumn, and the much-needed new rooms will be ready for the accommodation of students and other workers in the summer of 1898.

Electric Light.

Application has been made to the Lords Commissioners of the Treasury for funds for lighting the galleries and studies of the Museum by the electric light.

Owen Memorial.

The statue of Sir Richard Owen, executed by Mr. Thomas Brock, R.A., for the Owen Memorial Committee, has been formally handed over to the Trustees, and has been placed under the arch in the front of the Central Hall of the Museum, facing the statue of Darwin.

Swiney Lectures.

The subject of Dr. Traquair's second course of Lectures on Geology on this foundation was, "The Geological History of

Invertebrate Animals." The lectures were again delivered, by permission of the Lords of the Committee of Council on Education, in the theatre of the South Kensington Museum. The attendance at the twelve lectures, which were given, as usual, during October, averaged 127 persons per lecture.

Marine Botanical Investigation.

With the sanction of the Trustees, and with the aid of funds provided by the Government Grant Committee of the Royal Society, Mr. George Murray, Keeper of the Botanical Department, accompanied by Mr. V. H. Blackman, one of his Assistants, undertook a voyage across the Atlantic to Panama, for the purpose of obtaining during the cruise a collection of pelagic Algæ,—organisms as yet imperfectly studied and almost unrepresented in any Museum. All the specimens secured have been retained for the Museum collections.

Expedition to Christmas Island.

Early in the year an advantageous offer was received from Dr. John Murray, F.R.S., to pay the expenses of sending Mr. C. W. Andrews, an Assistant in the Geological Department, to Christmas Island, a hitherto unexplored islet situated about 200 miles south of the western end of Java, for the purpose of making a collection of natural history specimens before the native fauna and flora shall have been displaced by species introduced by man. In the event of Mr. Andrews being despatched on this mission, Dr. Murray agreed to the first set of the collections made becoming the property of the Trustees.

In view of the valuable results likely to accrue to the Museum from the projected expedition, the Trustees cordially accepted Dr. Murray's generous offer, and Mr. Andrews accordingly left England on this service in May.

International Geological Congress at St. Petersburg.

At the invitation of the Russian Ambassador at this Court, communicated through the Foreign Office, the Trustees appointed Mr. L. Fletcher, Keeper of the Department of Minerals, and Mr. F. A. Bather, Assistant in the Department of Geology, to act as their delegates at the International Geological Congress held at St. Petersburg last summer, and special leave of absence was accordingly given to these gentlemen to enable them to attend.

Purchases.

Among the more important acquisitions by purchase during the year, special mention may be made of the Whitehead

collection of Birds and Mammals from the Philippines; the second* instalment of the Bates collection of Heteromerous Coleoptera (13,789 specimens); a fine stuffed Lion from Machako's, British East Africa, shot by Mr. S. L. Hinde; the Savin collection of fossil vertebrate remains from the Norfolk Forest-bed series of deposits; a series of fossil remains from the Oxford Clay of Fletton, selected from the collection of Mr. A. N. Leeds; and a fine set of specimens of American Palæozoic Bryozoa. The details of these and of many other important purchases made during the year will be found in the reports of the keepers of the several Departments.

Presents.

The number of separate presents reported as having been received during the year by the several Departments of the Museum amounted to 1622, as against 1518 in the preceding year. Many of these comprised a large number of specimens. The details of all the more important of them will be found in the Reports of the Keepers of Departments, but the following are mentioned here also as being of special interest:—

From F. Du Cane Godman and Osbert Salvin, Esqs.—Further portions of their collection of the Coleoptera of Central America, comprising 5,468 specimens; the first instalment of their collection of New World Lepidoptera of the family Danainæ, comprising 486 specimens; and 2,586 specimens of Heterocerous Lepidoptera of various orders from Central America.

From Colonel John Biddulph.—A fine collection of birds from Gilgit, consisting of 3,386 skins of nearly 250 species.

From Dr. John Anderson, F.R.S.—A large and valuable collection of Reptiles and Batrachians made by him in Egypt and Nubia between the years 1891 and 1895, and forming the basis of a large work which he is about to publish.

From Mr. F. C. Selous.—An interesting series of South African Mammals, including a Springbok, and pairs each of Bontebok, Blesbok, Gnu and Inyala Antelopes.

From Mr. S. L. Hinde, Resident Medical Officer at Machako's, British East Africa.—An interesting and valuable series of Natural History specimens (chiefly Mammals, Birds, and Insects) collected by him in British East Africa, and including specimens of species hitherto unrepresented in the Museum collection.

From Captain E. O. Wathen.—The skeleton and skin of a Gavial (*Gavialis gangeticus*), from near Muttra, in the North-West Provinces of India.

* The first instalment was procured in 1881.

From Miss A. M. R. Stevens.—A very fine specimen of the same reptile, from Behar.

From the Canadian Department of Marine and Fisheries.—A stuffed seal (*Phoca grœnlandica*) from the Gulf of St. Lawrence.

From Mr. Thorpe, of St. Helena (through the Colonial Office).—The shell of a large Land-Tortoise (*Testudo elephantina*) which died at St. Helena about 20 years ago.

From the Hon. Walter Rothschild.—A life-size photograph of a very large Tortoise (*Testudo daudinii*).

From the President of the American Museum of Natural History, New York.—A series of 13 large photographs of skeletons and restorations of extinct Tertiary Mammalia.

Exchanges.

Exchanges of specimens have been made with the following institutions and individuals:—

Of Zoological Specimens.—With the Canadian Government Museum, Ottawa (through Prof. Macoun); the Provincial Museum, Victoria, British Columbia; the Indian Museum, Calcutta; the Museum of the California Academy of Sciences, San Francisco; the Museum of the University of St. Petersburg; the Hamburg Museum; the Turin Museum; the La Plata Museum; the Royal Siamese Museum, Bangkok; the Natural History Society of Magdeburg (through Dr. Wolterstorff); Dr. P. L. Sclater, F.R.S.; the Hon. Walter Rothschild; Mr. H. J. Elwes, F.R.S.; Mr. Martin Jacoby; Dr. Ffolliott Darling; Mr. D. Ogilby; Mr. E. Gerrard, junr.; Dr. F. Ohans, of Hamburg; Dr. R. Koehler, of Lyons; and Dr. A. Handlirsch and Dr. F. Warner, of Vienna.

Of Fossils and Casts of Fossils.—With the Royal College of Science; the South Australian Museum, Adelaide; the La Plata Museum; Mrs. A. D. Davidson, of Whiting, Indiana; Prof. A. Gaudry, of the Paris Museum; and Dr. Paul Oppenheim.

Of Minerals and Meteorites.—With the University of Aberdeen (through Prof. H. A. Nicholson); the Indian Museum, Calcutta; the University of Munich; the Riks Museum, Stockholm (through Baron Nordenskiöld); and Mr. W. T. Ferrier, of the Geological Survey of Canada.

Of Botanical Specimens.—With Dr. George King, of the Royal Botanic Garden, Calcutta; Dr. Engler, of the Botanical Museum, Berlin; and Mrs. Weber van Bosse.

An exchange has also been effected with the Royal College of Science, through Prof. Judd, C.B., F.R.S., of a duplicate copy of William Smith's large geological map, published in

1815, for photographic reproductions of three of Smith's original geological maps and tables valuable as evidence of the dates at which they were executed.

Duplicates.

King's College, London, the Hereford Museum, the Oldham Corporation Museum, the Royal Institution of South Wales, Swansea, the Rotherham Museum, the McLean Museum, Watt Institute, Greenock, the Gordon Boys' Home, Woking, and the Halifax Public Museum have been added to the list of institutions to receive grants of duplicate specimens of Natural History.

Grants of duplicate zoological specimens have been made to the Edinburgh Museum of Science and Art, the Museum of University College, Dundee, the Oxford University Museum, the Birkbeck Literary and Scientific Institution, the Ladies' College, Cheltenham, the Hereford Museum, the Australian Museum, Sydney, the Indian Museum, Calcutta, and Prof. A. Dendy, of Canterbury College, Christchurch, N.Z.

A series of 224 duplicate fossils from the Prestwich collection have been sent to the Falconer Memorial Museum, Forres, near Elgin, in accordance with a request preferred by Lady Prestwich when presenting the collection to the Trustees in 1896.

Publications.

The following new works have been issued during the year :—

Catalogue of the Madreporarian Corals in the British Museum (Natural History). Vol. III. The Genus Montipora; the Genus Anacropora. By Henry M. Bernard. *Pp. vii.*, 192: 34 *plates.* 4*to.* 24*s.*

Catalogue of the Fossil Cephalopoda in the British Museum (Natural History). Part III., containing the Bactritidæ, and part of the Sub-Order Ammonoidea. By A. H. Foord and G. C. Crick. *Pp. xxxiii.*, 303 : 146 *woodcuts.* 8*vo.* 12*s.* 6*d.*

Catalogue of Tertiary Mollusca in the Department of Geology, British Museum (Natural History). Part I. The Australasian Tertiary Mollusca. By G. F. Harris. *Pp. xxvi.*, 407 : 8 *plates.* 8*vo.* 10*s.*

A Guide to the Fossil Invertebrates and Plants in the Department of Geology and Palæontology in the British Museum (Natural History). *Pp. xvi.*, 158 : 182 *woodcuts.* 8*vo.* 1*s.*, *or in two parts at* 6*d. each.*

Copies of these works have been sent to numerous Free Libraries and other Institutions in Great Britain and Ireland, to many Indian, Colonial, and Foreign Libraries,

Museums, and Scientific Societies, and to various individuals who have either assisted in the preparation of the volumes or otherwise benefited the Museum.

New editions have been issued of "The Student's Index to the collection of Minerals" (33 *pp.*, 8*vo.* ; *price* 2*d.*); and "An Introduction to the Study of Minerals, with a Guide to the Mineral Gallery" (123 *pp.*, 41 *woodcuts*, 1 *plan*, 8*vo.*; price 6*d.*).

Arrangements for the exchange of publications have been concluded with several additional Institutions at home and abroad.

Selections of the Natural History publications have been presented to several Institutions and persons.

The undermentioned Catalogues are in preparation :—

A General Catalogue of the Books in the Libraries of the Natural History Museum.

Catalogue of Birds, Vol. XXVI. (Divers, Pelicans, Cormorants, and Herons), by R. Bowdler Sharpe and W. Ogilvie Grant; and Vol. XXVIII. (Supplementary Volume) by R. Bowdler Sharpe.

Catalogue of Moths, Vol. I., by Sir George F. Hampson.

Catalogue of Madreporarian Corals, Vol. IV., by H. M. Bernard.

Catalogue of the Welwitsch collection of Tropical African Plants, Parts II. and III., by W. P. Hiern and the members of the staff of the Botanical Department.

Catalogue of British Lichens, Part II., by the Rev. J. Crombie.

Catalogue of Fossil Fishes, Part IV., by A. Smith Woodward.

Catalogue of Tertiary Mollusca, Part II., by G. F. Harris.

Catalogue of Fossil Cretaceous Bryozoa, by Dr. J. W. Gregory.

Catalogue of Mesozoic Plants, Part III., by A. C. Seward.

Central Hall.

No additional cases have been added to the illustrations of General Natural History, but the progress of the arrangement and augmentation of the educational series in the bays around the hall, both zoological and botanical, has been continued during the year.

General Library.

The additions to the General Library during the past year have been :—

By purchase	323 volumes.	
By donation	428 volumes	and 83 maps.
By transfer from other Departments	35 volumes	and 1 map.
Total	786 volumes	and 84 maps.

All these works have been catalogued, press-marked, and placed on the shelves.

The extent of this collection on the 31st of December was 26,235 volumes and 3,881 maps.

The Owen collection of drawings has been arranged and mounted on 499 sheets, and a few of those illustrating Sir E. Home's papers have been bound in one volume.

The accessions to the Departmental Libraries have also been catalogued as they came in. Altogether 1,376 title-slips have been written, 342 re-written, and 2,450 revised.

There are now on a rough estimate, 72,061 volumes and 5,699 maps in the whole building (exclusive of minor separata).

The printing of the Catalogue having been authorised, a specimen was prepared, and the first 1,000 slips were sent to the printers at the close of the year.

The number of students and visitors, irrespective of the staff, making use of the Library during the year was 587.

W. H. Flower,
Director.

British Museum (Natural History),
31 March 1898.

Department of Zoology.

I —*Arrangement and Conservation.*

Mammalia.—The re-arrangement of the exhibited series has been continued, that of the lower gallery being almost completed, and the Chiroptera, Insectivora and Primates in the Upper Gallery having been provisionally arranged, and progress made with their labelling and description. Fresh specimens of all orders have been continually acquired, mounted, and incorporated with the series, while many of the older specimens have been withdrawn from exhibition.

Of the specimens so withdrawn some have been unstuffed and made into skins for the study series, while others have been made into duplicates. The number of duplicates, however, proves to be much less than was anticipated, owing to the historic interest attaching to the great majority of the specimens belonging to the old collection, which makes it necessary that they should be preserved for reference, although no longer suitable for exhibition.

In the study series the large number of specimens received during the year have been named and incorporated, but owing to the great labour involved in the proper arrangement and labelling of the skins and skulls, it has only been by the assistance given by volunteer helpers that the collection has been kept in a proper state of efficiency. Thanks are especially due to Dr. C. J. Forsyth Major, Mr. W. E. de Winton, and Mr. J. L. Bonhote for the assistance they have been good enough to render in this respect.

A large number of specimens have been mounted for exhibition during the year, of which the following are most worthy of note :—

A Gibbon (*Hylobates hoolock*); Lion (*Felis leo*); Tiger (*Felis tigris*); Aard Wolf (*Proteles cristatus*); Northern Wolf (*Canis nubilus*); Coati (*Nasua narica*); Panda (*Ælurus fulgens*); Ratel (*Mellivora ratel*); Zorille (*Ictonyx zorilla*); Solenodon (*Solenodon cubanus*); Desman (*Myogale moschata*); three Philippine Rodents (*Phlœomys pallidus, Crateromys schadenbergi* and *Rhynchomys soricoides*); Vicuna (*Lama vicugna*); Ibex (*Capra ibex*); Arabian Gazelle (*Gazella arabica*); Nahoor (*Ovis nahura*); Chinese and Malayan Deer (*Cervus hortulorum* and *moluccensis*); two Roebuck (*Capreolus capræa*); Musk Deer (*Moschus moschiferus*); and three Wild Swine (*Potamochœrus nyasæ, Sus cristatus* and *Sus barbatus*).

Aves.—During the past year steady progress has been made with the registration and incorporation of the Seebohm, Hargitt, and Salvin-Godman collections and other recent additions. The re-arrangement of the exhibition series in

the Public Gallery has likewise been continued, and marked progress has been made, nearly one-fourth of this Gallery having now been completed. Competent taxidermists have been employed in mounting the new specimens required to illustrate the classification of birds, and the cases have now been arranged as far as the end of the *Galliformes* or Game-birds.

Two new groups of British Birds and their nests and eggs have been added during the year, viz., that of the Red-throated Diver (*Colymbus septentrionalis*), and of the Sheld-duck (*Tadorna tadorna*). Presented by G. A. St. Quintin and W. R. Ogilvie-Grant, Esqrs.

Reptilia, Batrachia, and Pisces.—As in previous years, all additions have been registered, named, and incorporated in the collection, and the good condition of the alcoholic specimens has been maintained by renewing the spirit and replenishing the bottles where necessary.

The following large specimens have been mounted for exhibition in the public galleries :—

A stuffed Gharial (*Gavialis gangeticus*), a skeleton of the same species, a large Perch (*Stereolepis gigas*), and two Porbeagles (*Lamna cornubica*).

Mollusca.—The whole series of table-cases containing the collection of shells has been re-numbered, and the names of the families, written upon porcelain tablets, have been placed above the cases. The arrangement of the study-collection, necessitated by the re-arrangement of the exhibited series, effected in 1896, has been commenced, several important families having been placed in their proper position. The re-mounting in glass-topped boxes of certain portions of the study-collection has been proceeded with, and all the acquisitions during the year have been similarly mounted, excepting those selected for exhibition, which have been placed upon tablets. The whole of the spirit collection of Mollusca has been carefully examined and re-spirited. Some very important collections of Mollusca, chiefly land and freshwater forms, from New Guinea, Flores, Lombock, New Zealand, Socotra and Rotuma have been worked out and described.

Arachnida and Myriopoda.—Preparations illustrating the habits of spiders of the family *Theraphosidæ* from the lower Amazons, and of the Egyptian Sand Scorpion, have been placed on exhibition in the Insect Gallery. The African spiders of the group *Mygalomorphæ* have been determined and described, and recent accessions to the order *Solifugæ* have been named. The species of the genera *Gasteracantha, Argiope, Thelcticopis, Heteropoda, Palystes* and several others from the Oriental Region have been worked out in connection with Dr. Kükenthal's collection of spiders.

The scorpions of the genus *Tityus* have been re-examined, determined, and described in connection with the identification of the Arachnida obtained by Messrs. Austen and Cambridge, on the Lower Amazons. Mr. F. P. Cambridge has named many recent accessions of Cteniform Spiders, and has worked out the Central American Spiders of the families *Theraphosidæ, Diplurida, Ctenizidæ, Filistatidæ, Sicariidæ*, etc, contained in the Museum collection, for publication in the Biologia Centrali-Americana.

The re-bottling and re-labelling of the Keyserling collection of Spiders has been almost completed, and over five thousand other specimens have been sorted, registered, and incorporated into the general collection.

Insecta.—Extra space has been secured in the old Insect Room by the removal of the cabinets containing the collections of dried Crustacea, Arachnida and Myriopoda to the new room prepared for their reception.

The space thus left vacant has been appropriated for the European and Central American Coleoptera with other local collections, for the Banksian collection, and the series illustrative of economic entomology. This re-arrangement has given room for the much needed expansion of the collection of Coleoptera.

In the Public Insect Gallery a series of Coleoptera with illustrations and descriptive labels has been arranged in a table-case, to show the characters by which this Order is divided into sub-orders.

The following additions have been made to the series of economic groups :—Apple infested by Woolly aphis (*Schizoneura lanigera*), and Cherry showing the life-history of a small moth (*Lyonetia clerckella*).

Specimens in spirit showing the metamorphoses of the following genera have been mounted for exhibition in one of the wall-cases :—*Melolontha, Propomacrus, Spondylis, Apis, Vespa* and *Myrmeleon*.

The mounting, identification, labelling and incorporation of accessions, and the re-arrangement of the study collections have made considerable progress :—

1. The re-arrangement of Coleoptera of the family *Eumolpidæ* has been completed, the material contained in the Baly and Godman-Salvin collections having been incorporated.

2. The Coleoptera of the families *Endomychidæ* and *Coccinellidæ* have been re-arranged in accordance with the most recently published classifications, all accessions, including the Gorham collection of *Endomychidæ*, having been added.

3. All miscellaneous accessions to the Heteromera have been examined and placed under their proper genera in the collection, many of the groups being also expanded and re-arranged.

4. The incorporation of the Longicorn Coleoptera of the Pascoe collection has progressed as far as the end of the group *Lepturides*. The addition of fresh material has necessitated the transference to new drawers and re-arrangement of some of the groups, including the *Parandrides*, *Rhagiomorphides*, *Pterostenides* and *Toxotides*.

5. The Coleopterous genera *Ceroglossus* and *Calosoma* have been re-arranged, the species determined and the accessions incorporated.

6. Fair progress has been made with the remounting and arrangement of the Power collection of British Coleoptera, which is now completed as far as the end of the genus *Philonthus*.

7. Various miscellaneous collections of Coleoptera recently acquired have been sorted into families and genera, and partly incorporated; portions of the old European collection have also been added to the general series.

8. The following genera belonging to the Butterflies of the sub-family *Pierinæ* have been completely revised, re-arranged, freshly labelled where necessary, and all known species in the collection named up to date, viz.—*Delias*, *Pereute*, *Archonias*, *Mylothris*, *Elodina*, *Nychitona*, *Hesperocharis*, *Leodonta*, *Catasticta*, *Nathalis*, *Colias*, *Xanthidia*, *Terias*, *Leucidea*, *Sphœnogona*, *Pyrisitia*, *Gonepteryx*, *Amynthia*, *Dercas*, *Meganostoma*, *Teracolus*, *Ixias*, *Hebomoia*, *Ptychopteryx* and *Rhodocera*. The whole of the Old World specimens from the Godman and Salvin collection and all other previously unincorporated accessions to these genera have been included in this arrangement, and cross-references to those in the Hewitson collection, placed above the names of the various species. The genera above-mentioned now occupy no less than eight and a half 20-drawer cabinets, some of the genera being represented by nearly every known species. In the course of this arrangement, revisions of the more difficult genera have been published.

9. Among the groups of the sub-family *Nymphalinæ* many of the genera allied to *Catagramma*, *Eunica*, *Pyrrhogyra*, *Kallima*, and *Symbrenthia*; and, in the *Satyrinæ*, the genera *Œneis* and *Melanargia* have been carefully studied and re-arranged: the sub-families *Ithomiinæ* and *Heliconinæ* have been partially re-arranged, and the New World *Danainæ* of the Godman and Salvin collection, and the *Amathusiinæ* of the Moore collection have been incorporated with the general series.

10. The Catalogue lists of species of the families *Erycinidæ*, *Lycœnidæ*, and *Hesperiidæ* have been brought up to date, and progress has been made with the lists of *Nymphalidæ* and *Papilionidæ*.

11. The Moths of the family *Sphingidæ* have been re-arranged those of the Godman and Salvin, Moore, and other collections being incorporated.

12. The sub-family *Nolinæ* of the *Arctiidæ*, and the *Galleriinæ* of the *Pyralidæ* have been re-arranged.

13. The Godman and Salvin, Moore, and other recently-acquired collections of *Syntomidæ*, *Castniidæ*, and *Zygænidæ* have been incorporated.

14. Collections both of Butterflies and Moths from the Ethiopian and Oriental regions have been worked out, labelled, and incorporated.

15. In the Orthoptera the *Blattidæ*, *Mantidæ*, *Locustidæ*, and the sub-families *Titanarinæ* and *Phymatinæ* have been re-arranged.

16. In the Neuroptera the family *Libellulidæ* was again expanded to permit of the incorporation of numerous accessions.

17. In the Hymenoptera the critical examination and arrangement of the family *Pompilidæ* were completed.

18. A collection of Orthoptera, Hymenoptera, and Hemiptera Heteroptera, obtained in British Central Africa by Sir H. Johnston, K.C.B., was examined and partly determined.

19. The remainder of the Pascoe collection of the same Orders, including a series of types of Homoptera described by the late Francis Walker, has been incorporated with the general collection.

20. A working-list of Homoptera of the family *Fulgoridæ* has been prepared, and the sub-family *Fulgorinæ* expanded and brought up to date.

21. In the Diptera much of the time of the Assistant in charge has been devoted to the British Collection, the families *Cordyluridæ*, *Sciomyzidæ*, *Psilidæ*, with portions of the *Sapromyzidæ* and *Ortalidæ* having been worked out and arranged; a portion of the *Stratiomyidæ* has also been revised and re-arranged.

22. A critical list of the described Diptera of the sub-family *Anthracinæ* from Africa and Western Asia has been prepared, and a rough list of the remaining Diptera described from the same regions has been almost completed.

Numerous labels of various kinds have been printed for the information of students in all Orders of Insects and have been placed in the drawers, or upon typical or other specimens of special interest, during the course of re-arrangement: so far as has been possible the genera and species contained in the various cabinets have been entered on cards inserted in metal clips on the outside of the drawers and cabinets.

Crustacea.—The cabinets containing the dried collection of Crustacea, Arachnida and Myriopoda have been transferred from the Insect-room to the new Crustacea-room.

The collection of microscopic preparations of the Amphipoda collected by the "Challenger" expedition, which were, owing to the faulty manner in which they were originally preserved, rapidly deteriorating, have been very kindly remounted in an excellent and scientific manner by Mr. C. Edmund Aikin, who also has made a detailed report on this collection, which will be preserved in the Department.

Dr. Alcock also, Superintendent of the Indian Museum, Calcutta, has been good enough to examine and re-arrange the specimens of the genus *Penæus*, and the registered additions to the collection of Brachyura have been entered in the MS. Catalogues.

Vermes.—A series of figures illustrative of the larva of Polychæta has been added to the show-cases. The exhibited series of Cestoda, Trematoda, Nematoda, Turbellaria, and Nemertinea has been entirely remounted, and a number of fresh explanatory diagrams have been prepared.

The microscopic preparations of Rotifers and "Challenger" Nemertines have been carefully looked over by Mr. Aikin, and a number of those made during the cruise of that vessel have been remounted. Nearly all the worms obtained during the year have been authoritatively determined.

Echinoderma.—The accessions to this class have been determined and entered in the MS. Catalogue. A commencement has been made of the re-arrangement of the exhibition series; the Holothurians have been remounted and a selection of drawings of living forms has been mounted and exhibited. The method of mounting on velvet, begun last year for Corals, has been adopted for Echinoderms, and one case is finished, and with this arrangement more numerous explanatory labels have been supplied.

Anthozoa.—The specimens of the genera *Montipora* and *Anacropora*, described in the third volume of the Catalogue of Corals, have either been set out in the Gallery, or systematically stored with the rest of the study collection. In addition to the case of *Montiporæ*, four others, two of great interest, have been arranged; these last illustrate (1) the component parts of a coral reef, as collected by Mr. Darwin during the voyage of the "Beagle," and (2) the leading forms of deep-sea corals; the two other cases contain the Mushroom Corals (*Fungiidæ*), and their allies. A collection of sea-anemones in spirit is now for the first time exhibited, and

water-colour sketches have been added to give an idea of the appearance of these animals during life. The collection of Anthozoa in spirit has been gone through, and the spirit renewed where necessary, and some progress has been made with the re-arrangement of the Alcyonaria.

Hydrozoa, Porifera, Protozoa.—The work done during the year in connection with these classes has consisted chiefly in the arrangement of the collections exhibited both in the British Room and the Coral Gallery, much time having been devoted to the Protozoa case.

A manuscript list of Sponges of the group Calcarea Heterocœla has also been prepared.

II.—*Duplicates and Exchanges.*

Duplicate mammals, mostly old stuffed specimens, have been presented to The Ladies' College, Cheltenham, and the following specimens to the Birkbeck Institution :—3 Birds, 6 Fishes, 4 Molluscs, 1 Echinoderm, 10 Corals and 100 Arthropods. Exchanges have been effected with the following institutions and individuals :—The Zoological Museum, Hamburg, The Natural History Museum, Vienna, The Naturwissenschaftliche Verein, Magdeburg, The St. Petersburg Museum, The Leyden Museum, The Royal Siamese Museum, The Provincial Museum, La Plata, The Honourable Walter Rothschild, Professor Koehler, Mr. J. Ffolliott Darling, Dr. F. Ohaus, Dr. Arwidsson and Mr. Martin Jacoby.

III.—*Departmental Library.*

Fifty-seven separate works in sixty volumes and eight hundred and fifty-eight new numbers of periodicals, and parts of works in progress, obtained by purchase, presentation, and exchange have been added to the Departmental Library. One hundred and sixty-two volumes have been bound. The Library now contains 10,140 separate works, represented by 16,750 volumes.

IV.—*Publications.*

In addition to the Catalogues published by the Trustees already referred to, the following reports and descriptive papers have been prepared in connection with various parts of the collection, especially recent acquisitions, and have been published in scientific journals :—

Mammalia.—"On the Genera of Rodents, an attempt to bring up to date the current arrangement of the Order"; "On the Mammals of Nyassa, fourth Notice"; "On the number of Grinding Teeth possessed by the Manatee" (with R. Lydekker); "On new Mammalia from the Nyika plateau, Nyassa"; "On a new Gazelle (*Gazella marica*) from Central Arabia"; "On a new *Lagidium* from Eastern Patagonia"; "On a new Dormouse (*Graphiurus platyops*) from Mashonaland"; "Notes on some South American Muridæ"; "Description of a new Rat (*Mus latouchei*) from China"; "On two new Rodents from Van, Kurdistan"; "On some small Mammals from Salta, Argentina"; "Descriptions of four new South American mammals"; "On the Dwarf Mungoose (*Helogale*) of Somaliland"; "Descriptions of new Bats and Rodents from America"; "Diagnosis of a new subspecies of Gazelle from British East Africa"; "On some new Phalangers of the genus *Pseudochirus*"; "On the mammals collected by Dr. Loria in British New Guinea"; by Oldfield Thomas.

Papers describing specimens in the Museum collection have also been contributed to scientific journals by Dr. C. I. Forsyth Major, Mr. R Lydekker, and Mr. W. E. de Winton.

Aves.—"On *Paramythia montium*"; "On *Lullula chesneli*"; "On *Ninox everetti*"; "On *Syrnium nigricantius*"; "On *Francolinus lorti*"; "On Birds collected by Mr. F. J. Jackson in Uganda"; "On *Dicæum hosii*"; "On new species of Birds from Uganda"; "On a Reed Bunting's Nest"; "On *Lanius ludovicianus* in the Bahamas"; "On the Collection of Birds in the British Museum"; "On a new species of Starling (*Sturnopastor floweri*)"; "On the Oriole of the Gaboon (*Oriolus lætior*)"; "On Birds from Christmas Island, Indian Ocean"; "Notes on the Birds of Zululand"; by Dr. R. Bowdler Sharpe.

"On the Birds of the Philippine Islands, Part IX."; "The Birds of Samar and Leite"; "Notes on the Birds of the Province of Fohkien"; "On a new Francolin (*Francolinus kikuyuensis*)"; by W. R. Ogilvie-Grant.

Reptilia and Batrachia.—"The Tailless Batrachians of Europe. Part I."; "List of the Reptiles and Batrachians of Somaliland and Gallaland"; "List of Reptiles and Batrachians from the Congo Free State"; "Catalogue of the Reptiles and Batrachians of Celebes"; "List of the Reptiles and Batrachians collected by Mr. A. Whyte in Nyassaland"; "List of the Reptiles and Batrachians collected by Mr. A. Everett in Lombok, Flores, Sumba, and Savu"; "Descriptions of new Lizards and Frogs from Mount Victoria, New Guinea"; "On the Lizards of the genus *Eremias*, section *Boulengeria*"; "Revision of the Lizards of the genus *Sceloporus*"; "On the Reptiles of Rotuma Island";

"Description of a new genus and species of Tortoise from Borneo"; "On some little known Snakes from Natal"; "New Krait from Sind (*Bungarus sindanus*)"; "Description of new Malay Frogs"; "Description of a new Snake from Sierra Leone"; "Description of a new Snake from Usambara"; "Description of a new Lizard from Obok"; "Description of a new Snake from the Andes of Colombia;" by G. A. Boulenger, F.R.S.

Pisces.—"Descriptions of new Fishes from the Shiré River"; "Description of a new Fish from Lake Nyassa"; "List of Fishes collected by Dr. Borelli in Bolivia"; "Account of the Fresh-water Fishes collected in Celebes by Drs. P. and F. Sarasin"; "On a specimen of *Acanthocybium solandri*"; "Description of a new Ceratopterian Eagle-Ray from Jamaica"; "On a collection of Fishes from the Island of Marajo"; "Description of a new Gymnotine Fish"; "List of the Fishes obtained by Mr. J. S. Gardiner at Rotuma"; "Description of new Fishes from the Mekran Coast"; "Description of new Fishes from the Upper Congo"; by G. A. Boulenger, F.R.S.

Mollusca.—"Diagnoses of new Land-shells from Flores, Malay Archipelago"; "Notes on some type-specimens in the British Museum;" "Description of a new land-shell from Colombia"; "On a collection of land-shells from New Guinea"; "On a collection of land and freshwater shells from Rotuma island"; "Descriptions of new species of land-shells from New Guinea and neighbouring islands"; by E. A. Smith.

Arachnida and Myriopoda.—"On the Spiders of the sub-order Mygalomorpha from the Ethiopian Region contained in the collection of the British Museum"; "On some Trap-door Spiders of the family *Ctenizidæ* from South and West Australia contained in the collection of the British Museum"; "Descriptions of some new Oriental Opiliones recently received by the British Museum"; "Report upon the Scorpions and Pedipalpi obtained on the lower Amazons by Messrs. E. E. Austen and F. Pickard Cambridge during the trip of Mr. Siemen's steamship 'Faraday'"; "On the genera and species of Tropical African Arachnida of the order Solifugæ with notes upon the taxonomy and habits of the group"; "Descriptions of some new species of Scorpions of the genus *Tityus*, with notes upon some forms allied to *T. americanus* (Linn.)"; "New genera and species of

Millipedes of the family *Platyrrhachidæ* from the Indo- and Austro-Malayan subregions contained in the collection of the British Museum"; "Descriptions of some new species of Scorpions from India"; by R. I. Pocock.

The following papers based upon Museum Material have been published by Mr. F. O. P. Cambridge :—

"On Cteniform Spiders from the lower Amazons and other regions of North and South America, with lists of all known species of the groups hitherto recorded from the New World"; "On the Cteniform Spiders of Ceylon, Burmah, and the Indian Archipelago West and North of Wallace's line; with bibliography and list of those from Australasia, South and East of Wallace's line."

Insecta.—"Description of a new *Scarabæus* from East Africa"; "Description of a new Coleopterous Insect of the family *Paussidæ*"; by C. O. Waterhouse. "Notes on the Longicorn genus *Glenea*, Newm., with descriptions of new species"; by C. J. Gahan.

"On two collections of Lepidoptera made by Mr. R. Crawshay in Nyasaland"; "On a collection of Lepidoptera from Nyasaland presented to the Museum by Sir Harry Johnston, K.C.B, and collected by Mr. J. B. Yule"; "On a collection of Lepidoptera obtained in the Arusa Galla country in 1894 by Mr. F. Gillett"; "On a new Nymphalid Butterfly from N.E. Borneo"; "On a new African Pierine Butterfly of the genus Mylothris"; "Revision of the Pierine Butterflies of the genus Delias"; "Descriptions of six Pierine Butterflies of the genus *Catasticta* in the Collection of the British Museum"; "A revision of the species of Butterflies belonging to the genus *Teracolus*, Swains."; by Dr. A. G. Butler.

"A classification of the family *Thyrididæ*"; "A classification of the sub-family *Chrysauginæ* of the Pyralidæ"; by Sir G. F. Hampson, Bart.

"List of Orthoptera, Hymenoptera, and Hemiptera collected by Sir Harry Johnston and other officials of the B. C. A. Administration in British Central Africa"; "List of Neuroptera collected by Mr. E. E. Austen on the Amazons, or during the recent expedition of Messrs. Siemens Bros. cable S.S. 'Faraday,' with descriptions of several new species of Odonata (Dragonflies)"; by W. F. Kirby.

"Notes on a recent Zoological Expedition on the Lower Amazon"; "On the British species of the genus *Chrysops* (Family *Tabanidæ*)"; by E. E. Austen.

V.—*Acquisitions.*

	By Presentation.	By Purchase.	By Exchange.	TOTAL.
Mammalia	1,730	479	121	2,330
Aves: Godman and Salvin Collection	972	—	—	12,783
Aves: Hargitt Collection	—	5,479	—	
Aves: Biddulph Collection	3,045	—	—	
Aves: Other sources	2,276	880	131	
Reptilia	1,508	255	110	1,873
Batrachia	504	134	103	741
Pisces	520	563	276	1,359
Mollusca	2,053	1,363	76	3,492
Arachnida	2,364	44	117	2,525
Insecta: Godman and Salvin Collections	11,245	—	—	44,069
Insecta: W. Indies Exploration Committee	1210	—	—	
Insecta: Sir H. Johnston's Collections	1,721	—	—	
Insecta: Bates Collection of Heteromera	—	13,789	—	
Insecta: Other sources	13,343	2,682	79	
Myriopoda	330	31	97	458
Prototracheata	26	—	—	26
Crustacea	192	—	20	212
Bryozoa	42	1,231	—	1,273
Annulata	61	1	7	69
Nematoda, and Platyhelminthes	94	37	—	131
Echinoderma	225	9	21	255
Anthozoa	276	23	26	325
Hydrozoa	27	—	—	27
Porifera	75	884	—	959
Protozoa	4	—	—	4
TOTAL	43,843	27,884	1,184	72,911

as compared with 108,022 in the year 1896.

48,600	,,	1895.
54,957	,,	1894.
130,185	,,	1893.
76,011	,,	1892.
48,771	,,	1891.
77,658	,,	1890.
69,270	,,	1889.
44,081	,,	1888.

Mammalia.—The accessions to the class have been two thousand three hundred and thirty in number, nearly four times the average number for the last twenty years. The following are most worthy of mention:—

Two skulls of Samoyedes from Dolgoi Island; presented by Henry J. Pearson, Esq.

Thirty-three mammals from Silesia; presented by Dr. Edward Hamilton.

Seven stags and goats from the Woburn Menagerie; presented by the Duke of Bedford.

Fifteen mammals from Asiatic Russia, including two Przewalski's Gazelles (*Gazella przewalskii*); received in exchange from the St. Petersburg Museum.

Ten skins and skulls of seals and sea-lions from the Prybilof Islands; presented by G. Barrett-Hamilton, Esq.

Twenty-two mammals from Van, Kurdistan; presented by Major W. H. Williams, R.A.

Thirteen mammals from Muscat; including six specimens of a new Gazelle (*Gazella marica*); presented by Dr. A. S. G. Jayakar.

Nineteen mammals from Algeria; presented by the Rev. A. E. Eaton.

Twenty-three mammals from Somaliland, including the type of a new Mungoose (*Helogale atkinsoni*); presented by Dr. A. E. Atkinson.

Fourteen mammals from Somaliland; presented by E. Lort-Phillips, Esq.

Three Gazelles (*Gazella isabella*) from Suakin; presented by Maj. Sparkes and Surg.-Capt. C. Fleming.

A lesser Kudu (*Shepsiceros imberbis*), and heads of *Gazella picticaudata, Cervicapra arundinum,* and *Kobus ellipsiprymnus;* presented by Messrs. R. Ward & Co.

A Giraffe's skull, the typical skin of a new Gazelle (*Gazella natak*), and casts of the typical skulls of *Bubalis neumanni;* presented by A. H. Neumann, Esq.

Ten mammals from Kilima-njaro; presented by W. Carlile Fraser, Esq.

A stuffed Lion from Machakos, killed by Dr. S. L. Hinde; purchased.

Seventy-nine mammals from Como River, Gaboon, collected by Mr. G. L. Bates; purchased.

Thirty-one mammals from Angola; presented by the Lisbon Museum.

Three hundred and fifty mammals from North-western Nyasa, collected by Mr. A. Whyte, and including the types of eight new species; presented by Sir H. H. Johnston, K.C.B.

Ten mammals from Johannesburg; presented by H. P. Thomasset, Esq.

Thirteen mammals from Kimberley; presented by A. W. Curry, Esq.

Eighty-four mammals from Grahamstown; presented by the Albany Museum, through Dr. S. Schönland.

One hundred and seventy-two mammals from Madagascar collected by Dr. C. I. Forsyth Major, and containing the types of fourteen new species; presented by the Royal Society.

A Pangolin (*Manis temminckii*) from Mashonaland, a new Cuscus (*Phalanger melanotis*) from the Talaut Islands, the skull of a new Rodent (*Mallomys rothschildi*) from New Guinea, and six other mammals from the East Indian Archipelago; presented by the Hon. Walter Rothschild.

Forty-seven mammals from Bombay and Darjiling; presented by R. C. Wroughton, Esq.

Fifty-two mammals from Kuatun, Fokien, including the type of a new Rat (*Mus latouchei*); presented by Messrs. J. de la Touche and C. B. Rickett.

Eleven mammals from Siam; presented by S. S. Flower, Esq.

Twenty-four mammals from Nan, Siam; presented by Consul T. H. Lyle.

Eight mammals from the Whitehead expedition to the Philippines, presented by the subscribers to the expedition, eight presented by Mr. John Whitehead, and thirty-nine purchased, together including the types of four additional new species.

One hundred and thirteen mammals from Celebes and the Moluccas, including the types of several new species; collected by Messrs. C. Hose and A. H. Everett; purchased.

Ninety-five mammals, including seven co-types, collected by Dr. L. Loria in British New Guinea; presented by the Museo Civico, Genoa.

Nine mammals from N. Australia, including typical specimens of three new species; presented by the Christiana Museum through Dr. R. Collett.

Thirteen mammals from Central Australia, including specimens of several species described by the donor; presented by Prof. W. Baldwin Spencer.

Thirty-eight mammals from N. America; presented by Outram Bangs, Esq.

Fourteen mammals from Ontario; presented by Gerrit S. Miller, Esq.

Seventy-five Chipmunks (*Tamias*), and five other mammals, including a specimen of the Pigmy Hare (*Romerolagus*

nelsoni); presented by the U. S. Department of Agriculture, through Dr. C. Hart Merriam.

An albino Reindeer from British Columbia; presented by A. E. Butter, Esq.

Eighty-six mammals from Jalapa, Mexico, collected by Mr. F. M. Chapman; purchased.

Sixty mammals from Trinidad; collected by Dr. Percy Rendall; purchased.

Sixty-eight mammals from Peru; collected by Mr. J. Kalinowski; received in exchange from the Warsaw Museum.

Three typical specimens of Muridæ from the Lower Amazons; presented by Dr. E. A. Gœldi.

Nineteen mammals from N. Argentina, including the types of two new species (*Akodon spegazzinii* and *albiventer*); presented by Prof. Carl Spegazzini.

Twenty-eight mammals from Valparaiso; presented by John A. Wolffsohn, Esq.

Ten mammals from Montevideo and La Plata, one from Camaragibi, seven from Bogota, seven from Trinidad, twelve from Nicaragua, and eighty-four from Ecuador, together including the types of twelve new species; presented by Oldfield Thomas, Esq.

Aves.—The total number of additions to this group is twelve thousand seven hundred and eighty-three, of which the following may be specially mentioned:—

Twenty-two Birds from the Shan States; presented by Major Rippon.

A skeleton of *Pelecanus crispus;* presented by the Director of the Royal Botanic Gardens, Kew.

A specimen of Peale's Peregrine Falcon (*Falco pealii*) from the Aleutian Islands and the Seychelles Scops owl (*Gymnoscops insularis*), from the Seychelles; presented by Capt. Ashburnham, 60th Rifles.

Thirty-four skins and eggs of Birds from Spitsbergen; presented by A. Trevor Battye, Esq.

Nest with pairs of Birds of the following species, *Dicæum cinereigulare, Eudrepanis pulcherrima* and *Rhipidura cyaniceps*, from the Philippine Islands; presented by John Whitehead, Esq.

Twenty-five Ducks and Geese from Walcheren, Holland; presented by T. M. Pike and W. L. Popham, Esqrs.

Thirty-one Birds from Mozambique; presented by W. A. Churchill, Esq.

Twenty-four specimens of Esculent Swifts (*Collocalia*), with their nests and eggs; presented by C. Hose, Esq.

Three Willow Grouse from Amnak Island, Unalaska; presented by Prof. D'Arcy Thompson, C.B.

Ten types of new species from Uganda and Kikuyu; presented by F. J. Jackson, Esq., Assistant Commissioner of Uganda.

Two specimens of *Paramythia montium*, De Vis, and a specimen of *Daphœnositta miranda*, De Vis, from South-Eastern New Guinea; presented by Sir William McGregor, K.C.M.G., Governor of British New Guinea.

Skeletons of Birds from Dr. Forsyth-Major's expedition to Madagascar; presented by the Royal Society.

Five hundred and eighty-six specimens of Birds from the Philippine Islands, collected by Mr. John Whitehead, containing sixty-seven types of new species and sixty-eight species new to the collection; presented by the subscribers to the Whitehead expedition.

Twenty-nine specimens from Lagos; presented by Major Ewart.

One hundred and sixteen specimens of Herons, Wading-Birds, Goatsuckers, and Birds of Prey, including the types of the new genus of Eagles (*Pithecophaga jefferyi*) and the small-billed Frog-mouth (*Batsochostomus microrhynchus*), collected by Mr. John Whitehead; purchased.

A specimen of a new Siberian Goose (*Anser neglectus*, Sushkin); presented by Professor M. Menzbier.

Three hundred and seventy-eight specimens of birds from North Nyasa Land, collected by Mr. Alexander Whyte, including the types of two new species (*Bessonornis modesta* and *Cisticola nigriloris*); presented by Sir Harry Johnston, K.C.B.

One hundred and fifty-seven specimens, mostly Humming Birds, from Ecuador; presented by L. Söderström.

Two hundred and twenty-four specimens of birds and 565 eggs from the Argentine Republic (including the type of *Haplœocercus hollandi*), collected by Mr. Arthur H. Holland; purchased.

Fourteen birds received in exchange from the Hon. Walter Rothschild, including seven species new to the collection.

Eighteen birds, presented by J. Davidson, Esq., from Aden collected by the late Lieut. H. E. Barnes.

The types of Williams' Silver Pheasant(*Gennæus williamsi*) from the Chin Hills; presented by Capt. F. T. Williams.

One hundred and seventeen birds from Northern Norway, collected by Mr. Nicolai Hanson; purchased.

Seventeen specimens of birds from the Cape Verde Islands, including the types of *Spizocorys razæ* and *Puffinus mariæ*; presented by Boyd Alexander, Esq.

Twenty-six specimens from the Loria collection, including nine species new to the British Museum; purchased.

Seventy-two skins of Birds from Siam, collected by Stanley S. Flower, Esq., Director of the Royal Siamese Museum, Bangkok. Received in exchange.

Three specimens of birds from the Eastern Soudan, including the type of *Ammoperdix cholmleyi*; presented by A. J. Cholmley, Esq.

A specimen of *Idiopsar brachyurus*, an aberrant genus of Finches from Bolivia, and six Parrots from German New Guinea; presented by Count Von Berlepsch.

Eighty-one specimens of birds from the Sandwich Islands, including three species new to the collection. Presented by the Joint Committee of the Royal Society and British Association.

One hundred and thirty-six birds from the islands of Lombock and Savu, collected by Mr. Everett, containing six species new to the collection; purchased.

Forty-seven birds from the province of Foochow, China, including the type of *Yuhina pallida*; presented by C. B. Rickett and J. La Touche, Esqs.

One hundred and thirty-five specimens from Northern Celebes, collected by Charles Hose, Esq., including the type of *Dicæum hosii*, and eight species new to the collection; purchased.

Thirty-four specimens from Christmas Island in the Indian Ocean collected by Mr. C. W. Andrews. Presented by Dr. John Murray, F.R.S.

Seventy-two eggs of Philippine Birds collected by Mr. John Whitehead; purchased.

Fifty-three mounted birds from Sweden; purchased.

Reptilia.—The collection has been augmented by one thousand eight hundred and seventy-three specimens, of which the following most deserve notice:—

Thirty-seven specimens from Herzegovina, Montenegro, and Greece; purchased.

Seven specimens from Transcaucasia and Armenia, including a Snake new to the collection (*Vipera raddii*); presented by Dr. G. Radde.

One hundred and twenty specimens collected on the late Mr. Bent's expedition to the Hadramout, S. Arabia, among which the types of several new species; presented by Dr. J. Anderson F.R.S.

Nine rare Earth-Snakes from Southern India; purchased.

Specimens of a rare Earth-Snake (*Silybura macrolepis*) from the Bombay Ghats; presented by H. M. Phipson, Esq.

Nineteen Snakes from Ceylon; presented by H. C. Swaine, Esq.

Nine Snakes from Johore; presented by Dr. J. P. A. Wilson.

A rare Sea-Snake (*Aipysurus eydouxii*) from Singapore; presented by S. S. Flower, Esq.

Thirty-six specimens from Siam, among which are a new Lizard (*Phyllodactylus siamensis*), and a new Blind Snake (*Typhlops albiceps*); received in exchange from the Royal Siamese Museum, Bangkok.

A new Sea-Snake (*Hydrophis floweri*) from Borneo; presented by S. S. Flower, Esq.

Twenty specimens collected in Borneo by Mr. C. Hose including the types of a new Tortoise (*Liemys inornata*); purchased.

Ninety-five specimens from Sumba, Lombok, Flores, Savu, Ombaai, and Timor, collected by Mr. A. Everett. Among them types of several new species (*Lygosoma everetti, Typhlops florensis, Cylindrophis opisthorhodus, Dendrelaphis inornatus*); purchased.

One hundred and twenty-eight specimens collected by Dr. L. Loria in British New Guina, including types of several new species; presented by Marquis G. Doria.

Thirty-eight Lizards from Oran, among which are examples of a species previously unrepresented in the collection (*Acanthodactylus savignyi*); presented by M. Doumergue.

Examples of two rare Lizards (*Agama robecchii* and *Agama batillifera*) from Somaliland; presented by F. Gillett, Esq.

Twenty-eight examples from British East Africa; presented by C. Steuart Betton, Esq.

The type of a new Snake (*Leptodira werneri*) from Usambara, German East Africa; presented by Dr. F. Werner.

One hundred and forty-six specimens from Northern Nyasaland, collected by Mr. A. Whyte, including the types of a new Lizard (*Lygosoma johnstoni*), and a new Snake (*Glypholycus whytii*); presented by Sir H. H. Johnston, K.C.B.

A new Blind Snake (*Typhlops leucostictus*) from Liberia; purchased.

A Snake new to the collection (*Boulengerina annulata*), from the Gaboon; received in exchange from the Paris Museum.

Fourteen specimens from the Congo Free State; presented by the Department of the Interior, Congo Free State.

Examples of a Lizard new to the collection (*Scelotes gronovii*), from Dassen Island, Cape Colony; presented by H. A. Spencer, Esq.

Ten Snakes from Durban, Natal; presented by F. J. Quekett, Esq.

Examples of a Lizard new to the collection (*Wœltzkovia mira*), from Madagascar; presented by Prof. O. Bœttger.

Thirty-one specimens from Central Australia, among them a new Lizard (*Amphibolurus imbricatus*), and a new Snake (*Denisonia frenata*); presented by W. A. Horn, Esq.

Six Lizards new to the collection (*Ceramodactylus damœus, Diplodactylus byrnii, D. conspicillatus, Diporophora winneckii, Varanus gilleni, V. eremius*) from Central Australia; presented by Prof. W. B. Spencer.

Thirteen specimens from Rotuma Island, including the type of a new Lizard (*Lepidodactylus gardineri*); presented by J. Stanley Gardiner, Esq.

Thirty-two specimens from various parts of the United States; purchased.

Eighteen Lizards from Lower California, including types of a new species (*Sceloporus lickii*); received in exchange from the Californian Academy of Sciences.

Thirty-three specimens from Mexico, among which are examples of three species new to the collection (*Sceloporus dugesii, Geophis dugesii, Crotalus polystictus*); presented by Dr. A. Dugès.

One hundred and nine specimens from Trinidad; presented by R. R. Mole and F. W. Urich, Esqs.

Nineteen specimens from the Andes of Colombia, among which types of a new Lizard (*Sphærodactylus andianus*) and a new Snake (*Leptognathus pratti*); purchased.

The shell of a large Tortoise (*Testudo elephantina*), one of two specimens having lived many years at Plantation House, St. Helena; presented by W. A. Thorpe, Esq.

Batrachia.—Seven hundred and forty-one specimens were added, of which the following additions are noteworthy:—

Nineteen specimens from Montenegro, Bosnia, Herzegovina, and Greece; purchased.

Eight specimens from the Caucasus; presented by Dr. G. Radde.

Ten specimens from the Hadramout; presented by Dr. J. Anderson, F.R.S.

Fifty-nine specimens from Travancore; presented by H. S. Ferguson, Esq.

Seventy-two specimens from Siam, among them a Frog (*Oxyglossus martensii*) new to the collection; received in exchange from the Royal Siamese Museum, Bangkok.

Twenty-four specimens from Brunei, Borneo, collected by Mr. A. Everett; purchased.

A new Frog from Borneo (*Engystoma borneensis*); purchased.

Sixty specimens from Sumba, Lombok, Flores, Savu, Ombaai, and Timor, collected by Mr. A. Everett; among them types of three new Frogs (*Rana florensis, Sphenophryne monticola, Hyla everetti*); purchased.

Thirty-seven specimens collected by Dr. L. Loria, in British, New Guinea; among them types of two new species (*Sphenophryne loriæ* and *S. ateles*).

A Frog from New Guinea, new to the collection (*Sphenophryne cornuta*); presented by Mr. C. W. R. van Renesse van Duivenbode.

Thirty specimens from Egypt and Suakim; presented by Dr. J. Anderson, F.R.S.

A rare Frog (*Chiromantis petersii*) from Beira, E. Africa; presented by J. ffolliott Darling, Esq.

Eighty-eight specimens collected by Mr. A. Whyte in Northern Nyassaland, including types of two new Frogs

Arthroleptis whytii and *Hylambates johnstoni*); presented by Sir H. H. Johnston, K.C.B.

A Frog new to the collection (*Rappia tristis*) from the Lower Congo; presented by the Department of the Interior, Congo Free State.

Ten specimens from Central Australia; presented by W. A. Horn, Esq.

Thirteen specimens from various parts of the United States; purchased.

A Newt new to the Collection (*Autodax iccanus*) from California; purchased.

Thirteen specimens from Mexico, among them the type of a new Salamander (*Amblystoma altamirani*); presented by Dr. A. Dugès.

Nine specimens from Trinidad; presented by R. R. Mole and F. W. Urich, Esqrs.

Four specimens from the Andes of Colombia, including a Newt (*Spelerpes altamazonicus*) new to the collection, and a rare Cæcilian (*Rhinatrema bicolor*); purchased.

Pisces.—The additions number one thousand three hundred and fifty-nine.

The most important are:—

A Thrasher Shark (*Alopecias vulpes*) from South Devon; presented by Sir Thomas Freake, Bart.

Six large Fishes from the Danube; received in exchange.

A rare Sturgeon (*Acipenser neccarii*) from Trieste; received in exchange.

Ninety-three specimens from Dalmatia, Bosnia, and Herzegovina; purchased.

Forty-four specimens from various parts of the Russian Empire, mostly types of species described by the late Prof. Kessler; received in exchange from the Museum of St. Petersburg University.

Specimens of *Salmo lacustris, var. romanovii,* from the Caucasus; presented by Dr. G. Radde.

Five specimens from Muscat, including a Fish new to the collection (*Acanthocybium solandri*); presented by Surgeon Lieut.-Col. A. S. G. Jayakar.

Thirty-two specimens from the mouth of the Persian Gulf, including types of five new species (*Anthias townsendi, Pseudochromis nigrovittatus, Gobius townsendi, Salarias curtus, S. phantasticus*); presented by F. W. Townsend, Esq.

Twenty-five specimens from Penang; presented by S. S. Flower, Esq.

Forty-four specimens from Siam, among which is a fish new to the collection (*Labeo jullieni*); received in exchange from the Royal Siamese Museum, Bangkok.

Thirteen specimens from Celebes, including the types of four new species (*Gobius sarasinorum, G. latifrons, Telmatherina celebensis, Hemirhamphus weberi*); presented by Drs. P. and F. Sarasin.

A very young specimen of the African Mud-Fish (*Protopterus annectens*) from the Gambia; presented by Captain Vipan.

Nineteen specimens from the Upper Congo, among which are representatives of several new species (*Pelmatochromis congicus, Synodontis pleurops, Distichodus sexfasciatus, D. leptorhynchus, Mormyrus stanleyanus, M. bentleyi, M. psittacus*); purchased.

Forty-two specimens collected by Mr. A. Whyte in Northern Nyasaland; presented by Sir H. H. Johnston, K.C.B.

Four Flat-Fishes from the Cape of Good Hope, among which is the type of a new species (*Arnoglossus capensis*); presented by Dr. J. D. F. Gilchrist.

A rare fish (*Gonorhynchus greyi*) from East London, Cape Colony; presented by Dr. J. D. F. Gilchrist.

Ten marine Fishes from Durban, Natal; presented by F. J. Queckett, Esq.

Seventy-five specimens from various parts of Australia, among which are examples of several species new to the collection; presented by J. Douglas Ogilby, Esq.

Twenty-six specimens from Central Australia, among which are types of five new species (*Eleotris larapintæ, Nematocentris winneckii, N. tatei, Plotosus argenteus, Chatoeossus hornei*); presented by W. A. Horn, Esq.

Two hundred and forty-four specimens from the coral-reefs of Rotuma Island; presented by J. Stanley Gardiner, Esq.

Twenty specimens from Oregon; purchased.

Sixty-three specimens from Western North America, including types of several new species and specimens of a gigantic Perch (*Stereolepis gigas*) new to the collection; purchased.

Ten specimens from Trinidad; presented by R. R. Mole and F. W. Urich, Esqrs.

A new fish (*Sternopygus macrops*) from the Potero River, British Guiana; presented by J. J. Quelch, Esq.

Thirty specimens from the Amazon, among which are examples of several species new to the collection, and the types of three new species (*Diagramma goeldii, Heros goeldii, Arius pleurops*); presented by Dr. E. A. Goeldi.

A Mud-fish (*Lepidosiren paradoxa*) from Marajo Island; presented by Dr. E. A. Goeldi.

Sixty-eight specimens from the River Teffi, Brazil; purchased.

Two hundred and twenty-nine specimens, collected by Dr. J. Bach in the River Jurua, Brazil, among which are examples of a rare Siluroid (*Vandellia cirrhosa*), of several species new to the collection, and the types of nine new species

(*Platystoma juruense, Oxydorus trimaculatus, O. trachyparia, O. bachi, O. elongatus, Chætostomus bachi, Acestra gladius, Cetengraulis juruensis, Sternarchus tamandua*); purchased.

Forty specimens from Jamaica, among which are two new Skates (*Rhinobatus stellio* and *Ceratobatis robertsii*); purchased.

Examples of a rare Fish (*Brontes prenadilla*) from the Andes of Ecuador; received in exchange from the Paris Museum.

One hundred and five specimens from Bolivia and Argentina, from the collection of Dr. Borelli, among which are examples of several species new to the collection, and types of two new species (*Plecostomus borellii* and *Trichomycterus borellii*); received in exchange from the Turin Museum.

Mollusca.—Three thousand four hundred and ninety-two specimens were acquired during the year. The following are the most important additions:—

One hundred and fifty-two marine, land, and fresh-water shells from the West Indies, New Zealand, South Africa, and other localities; presented by J. H. Ponsonby, Esq.

One hundred and forty-three marine shells from Lifu, including many species new to the collection; presented by the Committee of the Manchester Museum.

Twenty marine shells from Lifu; described and presented by M. Le Père Hervier.

Two hundred and eighty-nine land and freshwater Mollusca from Savu, Lombock, Flores, and Sumba Islands, including many very fine interesting new species; purchased.

Twenty land, freshwater, and marine shells from New Zealand, Karachi, etc., including the types of *Plecotrema sykesi*; presented by E. R. Sykes, Esq.

Three hundred and two land shells from the Philippine Islands, including more than a hundred species new to the collection; purchased.

One hundred and twenty marine shells, many of them in very fine condition, from the Persian Gulf; presented by B. T. Ffinch, Esq.

One hundred and eighty-six land and freshwater shells from the island of Socotra, including several new species; presented by Mrs. Theodore Bent.

One hundred and thirty land, freshwater, and marine shells from New Guinea, Mekran coast, and Persian Gulf, including many new species; purchased.

Seventy-six land shells representing the fauna of Rotuma Island; presented by J. Stanley Gardiner, Esq.

One hundred and forty-two land shells from China and the Philippine Islands, including many species new to the collection; purchased.

Two hundred and sixteen land shells from Nyasaland, including many new species; presented by Sir H. H. Johnston, K.C.B.

One hundred and sixty-five marine shells from Lifu, including many species new to the collection; purchased.

Arachnida.—The additions to this class during the year number two thousand five hundred and twenty-five. The most important acquisitions are:—

Twelve Spiders from Central Australia, including co-types of *Nephila eremiana, Zora marmorea,* and *Isopoda horni;* presented by W. A. Horn, Esq.

Thirty-one Spiders and Scorpions from Madagascar, including examples of a new species of Scorpion (*Grosphus tigrinus*); presented by Dr. Forsyth Major.

Sixty-nine Spiders and Scorpions from Natal, including an example of *Stasimopus caffrus* and *Pycnacantha tribulus,* new to the collection; and two specimens of *Solpuga marshalli* and of *Harpactira marshalli,* new to science; presented by Guy A. K. Marshall, Esq.

Sixteen Spiders from Salisbury and Enkeldoorn, in Mashonaland, including examples of the new genus and species *Ceratogyrus darlingii* and *C. marshalli;* presented by J. ffolliott Darling, Esq.

One hundred and forty Scorpions and Spiders, including examples of *Ceroma johnstoni* and *Moggridgea whytei,* new to science, from the Nyika Plateau, Nyasaland; presented by Sir H. H. Johnston, K.C.B.

Four hundred and thirty-one Scorpions, Spiders and Pedipalps from Burma, including the types of *Thelyphonus wood-masoni, insularis, silvaticus, binghami, saxatilis,* and *rangunensis;* presented by E. W. Oates, Esq.

Sixteen Scorpions from various localities, including co-types of eight species, described by Prof. Kræpelin; received in exchange from the Natural History Museum, Hamburg.

Two hundred and seventy-five Scorpions and Pedipalpi from India, including a specimen of a new Scorpion (*Stenochirus politus*), and many examples of two new species of *Labochirus;* presented by the Bombay Natural History Society.

One hundred and forty-six Arachnida, mostly Scorpions and Spiders, from British East Africa, including examples of *Pseudobuthus dentatus,* new to the collection, and many examples representing new species of *Solpuga, Biton, Ceroma, Zeriassa, Acanthodon, Cyrtauchenius,* etc.; presented by C. Steuart Betton, Esq.

Seventy-seven Scorpions, Spiders, and Solpugas, from Somaliland, including the types of seventeen species, described by Messrs. Pocock and Simon; presented by Dr. Donaldson Smith.

One hundred and forty-two Spiders, principally from Celebes and Gilolo, including the typical examples of sixteen new species, established by Messrs. F. O. P. Cambridge, and R. I. Pocock; presented by Dr. W. Kükenthal.

Ninety-eight Spiders and Scorpions collected by S. S. Flower, Esq., in Siam, Johore, and Borneo, including specimens of *Palamnœus silenus*, new to the collection, and of *Oncopus alticeps* and *Heteropoda floweri*, new to science; received in exchange from the Royal Museum, Bangkok.

Four hundred and ninety Spiders from St. Vincent, West Indies, representing eighty-six species, mostly new to the collection; presented by the West Indies Exploration Committee.

Insecta.—The total number of specimens acquired during the year has amounted to forty-four thousand and sixty-nine They are distributed as follows:—

Coleoptera	24,141
Orthoptera	624
Neuroptera	226
Lepidoptera	15,080
Hymenoptera	883
Diptera	2,059
Rhynchota	973
Aptera	35
Nests, economic specimens, etc.	48
Total	44,069

The most important of these are:—

(From Great Britain.)

One thousand and eighty Diptera, including three hundred *Borboridæ*, from Felden, Tring, and Leighton; collected, carefully mounted, and mostly named, by the donor, A. Piffard, Esq.

Three hundred and forty Diptera from the New Forest, the Forest of Dean, Hereford, etc.; presented by Lieut.-Col. Yerbury.

Ten specimens of the Stag Beetle (*Lucanus cervus*), with a series of its larvæ, cocoons, etc., from Kew Gardens; presented by F. Escombe, Esq.

Three larvæ of *Agdistes*, from Essex; presented by Lord Walsingham.

A book, with the cells of a bee (*Osmia*), built against the edges, from Hawkhurst, Kent; presented by Miss Evelyn Hardcastle.

A melanic variety of a moth (*Catocala nupta*), from Wandsworth Common; presented by James Chapman, Esq.

(From Europe.)

Two Coleoptera, five Lepidoptera, five Hymenoptera, and a Dragon-fly, from Novaya Zemlya; presented by Col. H. W. Feilden.

Fifty-five Butterflies from Spain; presented by Mrs. Nicholl.

(From Asia.)

Three hundred and four Coleoptera, thirty-nine Orthoptera, fifty-eight Rhynchota, thirty-three Neuroptera, sixty-four Lepidoptera, eighty Hymenoptera, twenty-eight Diptera, and two nests from Singapore and district; presented by H. N. Ridley, Esq.

Five hundred and fifty Moths, constituting the Meek collection, from Fergusson Island, New Guinea; purchased.

Six *Forficula*, twelve *Lasioderma*, and six *Thaneroclerus* and its larvæ, found in large numbers, in company with *Lasioderma*, in ginger from Bombay; presented by C. Major, Esq.

Seven hundred and sixty-three Moths, two hundred and eighty-five Butterflies, twenty-two Neuroptera, four Orthoptera, a Hemipteron, and a specimen of *Hotinus* from India and Burma; presented by Capt. E. Y. Watson.

Twenty-five Coleoptera, thirty Hymenoptera, thirty Diptera, twelve Hemiptera, four Orthoptera, and two Neuroptera from Karachi; presented by Commander E. R. Shopland.

Ninety-three Moths from Assam; purchased.

Fifty-six Moths from the Nilgiri Hills; presented by A. G. Cardew, Esq.

Eighty-five Lepidoptera from Sumatra and eight Butterflies, including *Charaxes ajax* and *Narmada martini*, new to the collection; from North India and the Andaman Islands; presented by Major Fawcett.

Eighty-four Moths, including types of species described by Mr. Meyrick, from the Malayan region; presented by H. T. Elwes, Esq.

One hundred and fifty Moths, including co-types of species in the Hon. W. Rothschild's Collection, from the Malayan region; presented by Sir G. F. Hampson.

Three hundred and ninety-one Moths, fifty Neuroptera, nineteen Rhynchota, four Hymenoptera, and three Diptera from Burma; presented by L. de Nicéville, Esq.

One hundred and seventy Moths from the Khasia Hills; purchased.

One hundred and eighty-five Moths from New Guinea; purchased.

Twenty specimens of *Lepisma* and eleven of *Japyx* from Burma; presented by E. W. Oates, Esq.

Three hundred and ninety-seven Moths from North and Central Asia; presented by Dr. Staudinger.

Twenty-one Coleoptera from N.E. Sumatra; presented by C. O. Trechman, Esq., J.P., F.G.S.

Eleven Lepidoptera, including the rare species, *Parnassius acco, Baltia shawii,* and *Polyommatus lehanus,* from Thibet; presented by Arnold Pike, Esq.

A leaf with Homopterous larvæ attached, and eight Lepidoptera, including *Deiopeia pulchella, Daphnis hypothous,* and *Pseudosphinx increta,* from Siam; presented by S. S. Flower, Esq.

Two hundred and seven Moths and twenty Butterflies, including the type of *Zeuxaltis pryeri* and the rare forms *Virgarina scopula, Biduanda hewitsonii,* and *Logania violacea,* from Borneo; presented by W. B. Pryer, Esq.

Two hundred and fourteen Moths from New Guinea; presented by W. Doherty, Esq.

Twenty-four Moths from New Guinea; purchased.

(From Africa.)

Eleven hundred and fifty Coleoptera, two hundred and forty-seven Orthoptera, one hundred and ninety Rhynchota, one hundred and twenty-nine Hymenoptera, sixteen Butterflies, four Diptera, and one Neuropteron, collected by Mr. Alexander Whyte in Nyasaland; presented by Sir Harry Johnston, K.C.B.

One hundred and thirteen Moths, co-types of species described by the donor, Dr. W. J. Holland.

Thirteen hundred and sixty-seven Lepidoptera, with eight pupæ, and two hundred and forty longicorn and phytophagous Beetles, from South Africa; presented by Guy A. K. Marshall, Esq.

Fifty Hymenoptera from the Niger, including the type of *Sphex goldii*; presented by Dr. W. H. Crosse.

Thirty-three Moths from British East Africa; presented by Claude Hollis, Esq.

Eleven rare East African Butterflies, including *Mylothris jacksonii* and *Teracolus puniceus,* from East Africa; purchased.

Sixty-seven Lepidoptera from Somaliland; presented by F. Gillett, Esq.

One hundred and thirty Lepidoptera and seventy Coleoptera from West Africa; presented by G. A. Higlett, Esq.

Seven hundred and twenty-four Moths from Natal; presented by J. M. Hutchinson, Esq.

Thirty Butterflies, one Neuropteron and a Beetle (*Lixus*) from the River Prah, Ashanti; presented by Fitzgerald Marriott, Esq.

One hundred and sixty Lepidoptera, forty Cicadidæ with four pupa cases, and four Orthoptera with two pupa cases, from Cape Colony; presented by Miss Barrett.

Forty-nine Butterflies and twenty-nine Moths from South Africa; presented by the Rev. W. H. Heale.

Two hundred and sixty-three Lepidoptera, chiefly from Portuguese East Africa; presented by F. Kirby, Esq.

Seventeen rare Lycænidæ from Natal; presented by G. E. Pennington, Esq.

Thirty-six Coleoptera, six Homoptera and two Blattidæ, from Machakos, British East Africa; presented by Dr. S. L. Hinde.

Eighty Coleoptera, thirteen Orthoptera, eight Hemiptera, six Neuroptera, one hundred and fifty-four Lepidoptera, six Hymenoptera, and four Diptera from the Transvaal; presented by A. Ross, Esq.

Eight Lepidoptera (*Acræa burni*), including the types from the Tugela district, Natal; presented by G. H. Burn, Esq.

Seventy-four Lepidoptera and one Dipteron and cocoon from Sierra Leone; presented by C. M. Mitford, Esq.

(From North America.)

Eighty Moths from Colorado; purchased.

Ten Crambidæ and Phycitinæ, new to the collection, from the United States; received in exchange.

One hundred and ten Hymenoptera, authentically named, many of them co-types; thirty-six Lepidoptera, five Coleoptera, four Diptera, two Rhynchota, and one Orthopteron, from New Mexico; presented by Prof. Cockerell.

(From the West Indies.)

Eight hundred and eighty-nine Phytophaga, two hundred and sixty-two Elateridæ, and fifty-nine Dascillidæ, named by Mr. M. Jacoby and Mr. G. C. Champion; presented by the West India Committee of the British Association.

Three pupa cases of the "Wood nymph" (*Heliconius charitonius*), and two caterpillars (*Perophora*) from Jamaica; presented by Lady Blake.

(From Central and South America.)

Five thousand four hundred and sixty-eight Coleoptera, and five thousand six hundred and seventy-five Lepidoptera from Central America, described in the Biologia Centrali-Americana; presented by F. Ducane Godman, Esq., F.R.S., and Osbert Salvin, Esq., F.R.S.

Five hundred and sixty Coleoptera from Costa Rica; presented by Mons. H. Pittier de Fabrega.

Fifty Coleoptera, one hundred and twenty-eight Lepidoptera, eight Hymenoptera, eight Diptera, six Hemiptera, one Orthopteron, and seven pupa-cases of *Castnia eudesmia* in

nests, from Guatemala and Chili; presented by Col. Hayes Sadler.

Twenty-four seeds of *Sebastiana* containing larvæ of *Carpocapsa saltitans*, from Mexico; presented by Messrs. F. Stahlschmidt & Co.

Thirty-two Coleoptera of the genus *Carabus* from Chili; received in exchange.

(From various localities.)

One thousand and eighty-seven Moths, chiefly Pyralidæ; presented by Lord Walsingham.

One hundred and forty Moths from West Africa, North America, and other localities; presented by W. Schaus, Esq.

Two specimens of *Morpho bahiana*, two of *Radena tontaliensis* and one of *Appias sawela* from Bahia, and a Moth from S. Celebes, all new to the collection; also eleven Syntomidæ from Celebes and Lombok; presented by Herr Fruhstorfer.

Twelve Hymenoptera, the types of Mr. P. Cameron's species, *Chalcis mikado*, *Halticella tinctipennis*, *Epitranus erythrogaster*, *Chrysis japonica*, *Hedychrum japonicum*, *Hedychrum lewisi*, and *Gasteruption japonicum*, from Japan; *Chrysis pulchella*, from Ceylon; and *Pachycondyla carbonaria*, *Holocompsa whymperi*, *Pheidola monticola*, and *Elis wagnerana* from Ecuador; presented by F. Ducane Godman, Esq., F.R.S.

Thirteen thousand seven hundred and eighty-nine Coleoptera, the second portion of Mr. F. Bates' collection of arranged and named Heteromera, including a large number of types; purchased.

Fourteen Coleoptera, twenty-two Orthoptera, seventeen Lepidoptera, and one hundred and sixty-nine Diptera; purchased.

Myriopoda.—Four hundred and fifty-eight specimens have been added during the year. They include:—

Twenty-two Centipedes and Millipedes from Penang and Perak; presented by Stanley S. Flower, Esq.

Eighteen Centipedes from Behring Island and Copper Island, including examples of *Linotœnia chionophila*, new to the collection; presented by G. E. H. Barrett-Hamilton, Esq.

One hundred and thirty Centipedes, including the types of thirteen new species from Central America; presented by Messrs. Godman and Salvin.

Ten Centipedes and Millipedes from Baram, Borneo, including an example of *Edentistoma octosulcatum*, new to

the collection, and examples of three new species of *Platyrrhachidæ;* purchased.

Twenty-five Millipedes from Flores, Lombok, etc., including new species of *Rhinocricus* and *Platyrrhachus;* purchased.

One hundred and eight Centipedes from Siam and Johore, collected by Stanley S. Flower, Esq.; received in exchange.

Thirteen Centipedes and Millipedes from Somaliland, including the types of *Rhysida paucidens, Astrodesmus concolor, Archispirostreptus dodsoni* and *Smithii;* presented by Dr. Donaldson Smith.

Thirty-five Centipedes and Millipedes from Deli, Sumatra, including representatives of new species of *Sphæropœus* and *Phyodesmus;* presented by Dr. Moesch.

Prototracheata.—Twenty-six specimens have been presented, including:—

Twenty-one specimens of *Peripatus leuckarti,* from New South Wales, including the young of both sexes, as well as young born in captivity; presented by T. Steel, Esq.

Crustacea.—The additions to this group amount to two hundred and twelve, of which the most important are:—

Sixteen deep-sea forms from the Bay of Biscay, obtained by exchange from Professor Koehler.

Telphusa transversalis from Central Australia; presented by W. A. Horn, Esq.

A splendid specimen of *Bathynornus giganteus* from deep water in the Indian Ocean; presented by the Indian Museum, Calcutta.

A specimen of the interesting *Lepidurus couesi* from California; presented by Lord Walsingham, F.R.S.

Two Ocypods from 5,000 ft., Mindoro, Philippines; presented by the Subscribers to the Whitehead Expedition.

Bryozoa.—One thousand two hundred and seventy-three specimens have been acquired, including:—

Twelve hundred and thirty-one slides and specimens from Port Phillip, Victoria, collected by the late J. Bracebridge Wilson; purchased.

Annulata and Platyhelminthes.—Two hundred specimens of these groups of Worms have been added, of which the chief are:—

Forty-five preparations of various species of *Myzostomum,* made by Prof. Wheeler, of Chicago.

A fine specimen of *Bonellia viridis* showing its long proboscis; purchased.

Seven well-prepared specimens of Swedish Polychætes; received in exchange from Dr. Arwidsson.

Twenty-five well-preserved specimens of Nemertines; purchased of the Marine Biological Association at Plymouth.

Forty-three examples of flat-worms from Port Erin and elsewhere; presented by Mr. H. Lyster Jameson.

A valuable set of the Land Planarians of New South Wales; presented by Mr. Thomas Steel.

Echinoderma.—The additions number two hundred and fifty-five. The following may be especially mentioned:—

Twenty-one deep-sea specimens from the Bay of Biscay; received in exchange from Prof. Koehler.

A series of one hundred and eighty-five historically-interesting photographs of Echinoderms and their pedicellariæ, made by the late Dr. Herapath, F.R.S.; presented by Miss Herapath.

Two exceptionally fine examples of *Asterias glacialis* from Jersey; purchased.

Anthozoa and Hydrozoa.—Three hundred and fifty-two examples have been acquired. They include:—

A fine specimen of *Madrepora clathrata* from Burmah; purchased.

Two hundred and twenty-eight specimens of Corals from Torres Straits, collected and presented by Prof. A. C. Haddon.

A small but interesting collection of deep-sea Alcyonaria, obtained, by exchange, from Prof. Koehler.

Porifera and Protozoa.—The additions to these groups amount to nine hundred and sixty-three. The most important of these are:—

A collection of eighty-three Sponges from the Adriatic, illustrating Dr. R. Von Lendenfeld's memoir on the Porifera of that sea; purchased.

Eight hundred and one microscopic preparations of Sponges from Port Phillip, Victoria; purchased.

A specimen of Nummulitic Limestone from the Himalayas at an altitude of 19,000 feet; presented by T. D. La Touche, Esq.

Type specimens of *Haddonia torresii*, a new genus and species of Foraminifera, from Torres Straits; presented by Prof. A. C. Haddon.

VI.—*Visitors and Students.*

Nine thousand seven hundred and eight visits have been paid to the Department by persons who have required attendance or assistance, as compared with—

7,995	in the year	1896.
8,189	,,	1895.
10,730	,,	1894.
10,872	,,	1893.
10,932	,,	1892.
9,443	,,	1891.
9,034	,,	1890.
8,360	,,	1889.
8,797	,,	1888.
8,955	,,	1887.

W. H. Flower,
Acting Keeper.

DEPARTMENT OF GEOLOGY.

I.—*Arrangement.*

A.—Vertebrata.

Fossil Mammalia (Gallery No. 1).—The Savin collection of Mammalia from the Forest Bed series of deposits (Pliocene), in the vicinity of Cromer, on the Norfolk coast, has been registered and examined, and a series of specimens has been selected and placed in the cases. The smaller exhibited specimens have been tableted, labelled, and arranged in the orders to which they belong; the larger specimens are being mounted by the carpenters for exhibition in the Wall-cases. The greater part of the unexhibited collection has been placed in order in the drawers under Table-case 18, and carefully labelled.

Table-case 24, containing the Rodentia, Insectivora, and Cheiroptera, has been re-arranged to accommodate recent acquisitions, and numerous specimens have been tableted and labelled.

A fine pair of antlers of *Cervus elaphus*, Linn., from a tufaceous deposit at Alport, Youlgreave, Bakewell, Derbyshire, have been mounted and placed on the top of Pier-case No. 16.

Numerous photographs, drawings, and explanatory diagrams have been added to the cases and placed in glazed frames upon the walls of this gallery.

Loose sliding-trays have been fitted beneath the small Table-cases in the centre of the Gallery, to afford accommodation for such Mammalian and Avian fossil remains as are too large for the ordinary drawers beneath the cases.

Mammalia registered, 2,376.

Fossil Birds (Gallery No. 2; Pavilion).—The Cases in this Gallery have been re-arranged so as to accommodate additional upright Glass-cases to contain the new skeletons of *Æpyornis*, from Madagascar; that of the recent Ostrich, from Africa; and the skull of the great extinct bird *Phororhacos*, from South America.

Aves registered, 71.

Fossil Reptiles (Gallery No. 4).—A duplicate coloured cast of *Plesiosaurus* has been removed from Wall-case No. 13, and replaced by an actual fossil of the same genus transferred from Gallery No. 11.

Table-case No. 17, containing Anomodontia, has been re-arranged, and the recent acquisitions have been tableted, labelled and incorporated.

Reptilia registered, 224.

Fossil Fishes (Gallery No. 6).—The roof of Wall-case No. 14, has been glazed and provided with fittings to exhibit the large specimens of *Aspidorhynchus* and *Leedsia*, which have been framed.

The labelling and tableting of the Pholidophoridæ, the Oligopleuridæ, and Leptolepidæ, in Table-cases 46, 47, and 48, have been completed.

Various new diagrams have been placed in the cases adjoining the specimens which they are designed to explain, and descriptive labels have been added to the several family-groups in Wall-cases Nos. 7 to 13.

A slab of Carboniferous Limestone (Yoredale Series), containing numerous teeth of Elasmobranch fishes, has been framed and fixed upon the wall, between Wall-cases Nos. 3 and 4.

The framing of the larger specimens of fishes in the Wall-cases has also made progress.

The revision of the nomenclature of the Cretaceous and Tertiary bony-fishes (*Teleostei*) has proceeded in connection with the preparation of Part IV. of the Catalogue of Fossil Fishes.

Fossil Fishes registered during the year, 404.

B.—Invertebrata.

Mollusca.—Fossil Cephalopoda (Gallery No. 7.)—Additional examples of recent Dibranchiate Cephalopods have been added to Wall-case No. 1A, in illustration of, and for comparison with the fossil forms.

The whole of the "Sowerby Collection" of Cephalopoda has been removed from Gallery No. 11, and has been incorporated in the general collection in Gallery 7.

Sixty-eight (Ammonites and Nautili) mounted on blocks have been re-labelled and arranged in the wall cases, and twenty-five (Ammonites, Nautili, and Belemnites) mounted on tablets, have been added to the Wall and Table-cases. The remaining specimens have also been re-labelled and incorporated with the collection in drawers under the Table-cases.

All the specimens mounted on blocks (80 in number), in Wall-case No. 2, have been re-labelled in accordance with the published Catalogue, and four *Nautili* have been mounted and labelled and placed on the slope in the same case. Two *Turrilites* and one *Ancyloceras* have been mounted on blocks and labelled and added to Wall-case No. 3.

An Ammonite from the Lithographic stone of Bavaria, also four *Nautili* and eighteen *Belemnites* have been named, labelled, and mounted, and added to the Wall-cases 6, 13, and 14.

Four-hundred and twenty-nine Devonian and four hundred and eighty-three Carboniferous Goniatites (with a drawing of the suture-line of each species represented) have been

mounted and arranged in Table-case No. 70. The rest of the Goniatites in the Collection have been named, labelled, and arranged in the drawers beneath the Table-cases.

A large specimen of *Ammonites* [*Haploceras*] *leptophyllus*, from the chalk of Rottingdean, near Brighton, has been mounted in a specially-prepared glazed case, between Wall-cases 3 and 4; it is the largest Ammonite in the collection.

A small Wall-case (No. 13A), has been fitted up between Wall-cases 13 and 14, to contain recent illustrations in the upper part. In the lower part is placed a specimen of *Nautilus ornatus*, 2 feet in diameter, from the Inferior Oolite of Sherborne, Dorset (this is the largest example of *Nautilus* known; it weighs 182 lbs.).

In the lower part of the small Wall-case (No. 1B) opposite have been placed two magnificent examples of *Leptoteuthis gigas*, from the Lithographic stone of Solenhofen, Bavaria.

Various illustrations have been added to the Wall-cases during the past year.

Cephalopoda registered during the past year, 2,660 specimens.

Mollusca.—Gasteropoda, Lamellibranchiata, etc. (Gallery No. 8).—The collections of Foreign Tertiary Mollusca are still being worked out. Nearly 2,000 specimens have been mounted, named, and arranged in the Wall-cases; chiefly Australian and Italian. Four hundred and twenty-two have been named, labelled, and arranged in drawers beneath the Table-cases.

A fine series of British Pliocene Gasteropodous Mollusca from the Suffolk Crag (part of the Robert Bell Collection) are in process of arrangement on the west side of upright glazed-case (No. 103A), in the centre of the Gallery.

About 1,000 specimens have been added to this series during the past year.

The chief Molluscan collections registered and incorporated during the past year have been the following:—

Mr. S. J. Hawkins, Collection of Chalk Mollusca from Burham, Kent.

Mr. Townshend M. Hall's Collection of Devonian fossils from Barnstaple, North Devon, etc.

The Michalet Collection of Cretaceous Mollusca from Algeria, and the T. J. Slatter Collection of Jurassic fossils from Worcester, Gloucester, and Somerset.

Mollusca registered in 1897, 6,334.

Brachiopoda.—The Foreign Brachiopoda have been entirely re-arranged in accordance with the American edition of von Zittel's "Grundzüge der Palæontologie." The exhibited series contains 1,640 specimens and 37 drawings, 141 genera only out of 309 known forms are represented in the cases, the remaining 168 have yet to be selected or procured.

The collections incorporated embrace those of Dr. C. Callaway, Mr. S. J. Hawkins, Mr. John Gray of Hagley, Mr. H. Monk, Sir J. Prestwich, M. Michalet and others. The number registered (exclusive of the Davidson Collection) amounts to 2,376 specimens. These have been labelled and arranged.

The Davidson Collection of Brachiopoda is approaching towards completion, 2,153 specimens have been registered during the past year, and a slip catalogue has been prepared ready for the printer.

Total Brachiopoda registered in the year, 4,531.

Bryozoa (Gallery No. 8).—The Foreign Jurassic Bryozoa have been named and arranged in Wall-case No. 12A.

A series of British Cretaceous Bryozoa has been arranged in Table-case 86A.

The whole collection of Cretaceous Bryozoa, both British and Foreign, has undergone re-arrangement, and a Catalogue of this section is now in preparation.

During the year 1,188 Bryozoa have been registered, and 38 specimens, to illustrate the cases, have been drawn under the microscope.

Insecta and Crustacea (Gallery No. 8).—The chief specimens added to these classes include some Permo-Carboniferous species obtained from Professor Kustà of Prague, some Trilobites from the Devonian of Barnstaple and North Devon, and some Cretaceous Decapoda from the Lebanon.

Specimens registered, 132.

Annelida registered, 70.

Echinodermata.—The foreign Palæozoic *Ophiuroidea*, and Devonian *Stelleroidea*, have been mounted and arranged on the east side of upright glazed case 103A, in the centre of the Gallery.

Echinoids and Asteroids registered, 856 specimens.

Crinoidea.—A few specimens have been re-mounted and re-labelled as the result of fresh investigations arising out of the examination of additional specimens sent to the Museum for examination. Casts of several interesting specimens lent for comparison have been kept for reference.

Number of Crinoidea registered, 274.

Cystidea.—A large amount of work has been done on the Cystids in connection with the Worthen collection and various specimens submitted for examination from abroad.

Number of specimens registered, 12.

Blastoidea.—The purchase of the Worthen Collection of American Echinodermata has largely increased the number of these rare fossils in the Museum. Many of these specimens

have been carefully investigated and a number of them have been re-mounted.

Specimens registered, 53.

Total Echinodermata registered, 1,195.

Actinozoa (Gallery No. 10.)—Further work has been done on the Jurassic Corals.

Number of specimens registered, 1,164.

Porifera-Spongida (Gallery No. 10.)—During the past year 130 sponges, etc., have been registered and arranged in the exhibition cases devoted to this group of organisms.

Protozoa-Foraminifera (Gallery No. 10.)—Some examples of *Fusulina* limestone, from the Permian of Austria, and from the Carboniferous of Russia, have also been added to the exhibited series.

Protozoa registered, 130.

C.—Plantæ.

The principal plant-remains added to the collection during the past year have been: A series of Oligocene Plants (leaves and fruits) from the Siebengebirge district of the Rhine.

A series of Devonian plants (*Lycopodiaceæ*) from Devonshire, and an interesting collection of plants (Ferns, Lycopodiaceæ, etc.) from the Permo-Carboniferous formation of South Africa (described and figured in Quart. Journ. Geol. Soc., 1897, Vol. 53, pp. 310–338, pl. 21–24).

Two hundred and seventy-five Plant-remains from the Nagpur district of Central India, referred to by Sir Chas. Bunbury (*see* Quart. Journ. Geol. Soc., vol. xvii. 1861, pp. 325–346, pls. 8–12).

Plant-remains registered, 158.

II.—*Department Geological Library* (*Gallery* No. 9).

During the past year the accessions to the Library, and to the collection of British and Foreign Geological Maps, have been stamped, and catalogue-slips prepared.

Accessions to the Library.	Presented.	By Purchase.	Total.
New Books and Pamphlets - -	69	248	317
Continuations - - - - -	154	213	367
Maps - - - - - - -	14	91	105
Total - - -	237	552	789

Catalogue-slips have been prepared for 346 Maps and Books.

Fifty-four volumes have been bound.

The accessions to the Library have been press-marked and incorporated with the works to which they belong.

III.—*Preparation of Catalogues and Guides.*

The publication of Part III. of a Catalogue of the Fossil Cephalopoda in the Geological Department; containing the Bactritidæ, and part of the sub-order Ammonoidea, pp. xxxiv. and 304, with 145 figures in the text, by Arthur H. Foord, Ph.D., F.G.S., and George Charles Crick, F.G.S., was published in April 1897.

Part I. of a Catalogue of Tertiary Mollusca, in the Department of Geology, containing descriptions of the Australasian Tertiary Mollusca, 8vo., pp. xxvi. and 408, with eight lithographic plates, by George F. Harris, F.G.S., &c., was published in March 1897.

The MS. Catalogue of Types and figured specimens of the Cephalopoda in the British Museum (Natural History) has been placed in the printer's hands for setting up in type.

The MS. catalogue of Types and figured specimens of the Brachiopoda in the British Museum is nearly completed, and will shortly be ready for the printer.

Mr. A. S. Woodward has made considerable progress with Part IV. of his Catalogue of Fossil Fishes in the British Museum (N.H.), belonging to the division *Teleostei*, and many of the plates are drawn.

Mr. A. C. Seward has commenced the preparation of Part III. of his Catalogue of the Secondary Plants, and several of the Plates have been executed on stone.

Mr. G. F. Harris, F.G.S., has commenced the preparation of Part II. of his Catalogue of Tertiary Mollusca—containing the West Indian Shells.

Dr. J. W. Gregory has begun the preparation of Part II. of his Catalogue of the Fossil Bryozoa, to contain all the Cretaceous species, and a number of beautiful drawings have been executed for their illustration.

Mr. A. H. Foord having resigned the task of preparing the Catalogue of the Cephalopoda, the work has been undertaken by Mr G. C. Crick alone, and he is now engaged in the preparation of Part IV., to contain the Triassic Ammonites, etc.

A Guide to the Fossil Invertebrates and Plants in the Department of Geology was issued in March 1897, 8vo., pp. xvi. and 158, price one shilling, and also in two parts at sixpence each part (with 182 illustrations).

IV.—*Separate Papers and Memoirs bearing upon the Collection: published in* 1897.

The following Papers and Memoirs have been prepared by members of the staff and by other scientific workers in the Department, and relate to specimens forming part of the Geological Collection, which have been described and figured in various works during the past year:—

By Arthur Smith Woodward, F.L.S., F.G.S., F.Z.S.

An account of a visit to South America, to examine the Fossil Vertebrates of that country. (Proc. Zool. Soc., London, 1897, pp. 311–313.)

Observations on Señor Ameghino's Notes on the Geology and Palæontology of Argentina. (Geol. Mag., 1897, Dec. iv., vol. iv., pp. 20–23.)

On a new specimen of a Mesosaurian Reptile (*Stereosternum tumidum*), from San Paulo, Brazil. (Geol. Mag., 1897, Dec. iv., vol. iv., pp. 145–147, pl. v.)

On a new specimen of the Stegocephalian reptile (*Ceraterpeton Galvani*, Huxley), from the Coal Measures of Castlecomer, Kilkenny, Ireland. (Geol. Mag., 1897, Dec. iv., vol. iv., pp. 293–298, pl. xii.)

On *Echidnocephalus*, a Halosauroid fish from the Upper Cretaceous formation of Westphalia. (Proc. Zool. Soc., London, 1897, pp. 268–271, pl. xviii.)

On the Mesozoic Amioid Fishes, *Caturus* and *Osteorachis*. Ann. Mag. Nat. Hist. [6], vol. xix. pp. 292–297, 379–387, pls. viii–xi.

On the Fossil Fishes of the Upper Lias of Whitby, Part II. Proc. Yorks. Geol. and Polyt. Soc., vol. xiii. pp. 155–170, pls. xix–xxi.

On *Pholidophorus*, from the Oxford Clay of Weymouth. Proc. Dorset Nat. Hist. Field Club, vol. xviii. pp. 150–152, with plate.

By C. W. Andrews, B.A., B.SC., F.G.S.

Note on the cast of the Brain-cavity of *Iguanodon*. (Annals and Mag. Nat. Hist. [6], vol. xix., 1897, pp. 585–591, pl. xvi.)

On some Fossil Remains of Carinate Birds from Central Madagascar. ("Ibis," July 1897, pp. 343–359, pls. viii. and ix.)

On the structure of the skull of a Pliosaur. (Quart. Journ. Geol. Soc., vol. 53, 1897, pp. 177–185, pl. xii.)

Note on a nearly complete skeleton of *Æpyornis* from Madagascar. (Geol. Mag., 1897, Dec. iv., vol. iv., pp. 241–250, pl. ix. and woodcuts.)

On *Megalapteryx tenuipes*. (*Novitates Zoologicæ*, 1897, vol. iv., pp. 188–194, pl. vi.)

By Dr. C. I. Forsyth-Major.

On *Sus verrucosus* and its Allies (Ann. and Mag. Nat. Hist. [6], vol. xix., 1887.) (Affinities of *Sus giganteus*, Falc., discussed from specimens in the Geological Collection.)

On the Brains of two sub-fossil Malagasy Lemuroids [*Globilemur Flacourti*, Maj., and *Megaladapis madagascariensis*, Maj.] described from casts of Brain cavities of skulls, preserved in the Geological Collection. (Proc. Roy. Soc., vol. 62, 1897.)

On the Malagasy Rodent, genus *Brachyuromys*, and on the *Muridæ*, etc. [Specimen of *Rhizomys Sivalensis*, Lyd., in the Geological Collection described and figured.] (Proc. Zool. Soc., 1897.)

By G. C. Crick, Assoc. R.S.M., F.G.S.

On an example of *Acanthoteuthis speciosa*, Münster, from the Lithographic stone, Eichstädt, Bavaria. (Geol. Mag., 1897, Dec. iv., vol. iv., pp. 1–4, pl. i. and a woodcut.)

On the Fossil Cephalopoda from Somaliland, collected by Dr. Donaldson Smith. (Appendix F. in Dr. Donaldson Smith's "Through Unknown African Countries," pp. 426–429, 1897.)

By R. Bullen Newton, F.G.S.

On a Jurassic Lamellibranch and associated fossils from Sarawak River Limestones, Borneo, etc. (Geol. Mag., 1897, Dec. iv., vol. iv., pp. 407–415, with a woodcut.)

By F. A. Bather, M.A., F.G.S.

Apiocrinus recubariensis, Crema, from the Muschelkalk, is a primitive *Millericrinus*. (Geol. Mag., Dec. iv., vol. iv., pp. 116–123 (5 figures), 1897.)

Haplocrinus Victoriæ, Silurian, Melbourne, and its relation to the Platycrinidæ. (Geol. Mag., Dec. iv., vol. iv., pp. 337–345, pl. xv. 1897.)

By Dr. J. W. Gregory, F.G.S.

On the affinities of the Echinothuridæ and on *Pedinothuria* and *Helikodiadema*, nov. gen. (Quart. Journ. Geol. Soc., vol. 53, pp. 112–122, 1897.)

On *Echinocystis* and *Palæodiscus*. (*Ibid.*, vol. 53, pp. 123–136, pl. vii., 1897.)

Lysechinus, a new genus from the Lias. (Proc. Zool. Soc. 1896, pp. 1000–1005, pl. li.)

The Classification of the Palæozoic Ophiuroidea. (*Ibid.*, pp. 1028–1044, 1896.)

By A. C. Seward, M.A., F.G.S.

On the association of *Sigillaria* and *Glossopteris* in South Africa. (Quart. Journ. Geol. Soc., 1897, vol. 53, pp. 315–338, pls. xxi–xxiv.) (The sixteen fossil plants figured and described are preserved in the Geol. Dept.)

V.—*Work of the Mason-Formatore and Assistant-Mason.*

Making models or casts of skull, sternum, pelvis, ribs, &c., preparing ironwork, articulating and mounting skeleton of *Æpyornis* in its case in the Pavilion (Gallery No. 2.)

Cleaning, gelatinising, fitting and joining portions of whale's skull from Argentina, preparatory to mounting.

Changing position of the pubic bones, making alterations in ironwork of skeleton of Iguanodon in Reptile Gallery. Painting detached skull of Iguanodon a lighter colour.

Remodelling cranium of large species of *Phororhacos* consequent upon the fuller development of the palate of the smaller one; mounting both crania for exhibition.

Making new ironwork for, and setting up skeleton of, recent ostrich in its case in the Pavilion (Gallery No. 2).

Stripping off bandages from antlers of *Cervus elaphus*, from Alport, Derbyshire, boring pieces of beam and fitting with ironwork, restoring and repairing broken tines and mounting same for exhibition on Pier-case, No. 16, Gallery No. 1.

Packing, removing, and unpacking large series of Reptilian remains from Mr. Alfred Leeds' house, Eyebury, near Peterboro', to the Museum, mending broken bones, mounting sternal ribs, &c.

Making and colouring casts for exhibition in Zoological Department and for exchanges with other Museums. Making 12 moulds and about 40 casts of fossils during the year.

Developing, mending, and fixing in frames a large number of fossil fishes for the wall-cases of Gallery No. 6.

Developing and mending a series of Olivola Mammalian fossils from the Carrara Mountains in Italy.

Reducing, developing and mending a large series of fossil plants (chiefly Wealden and Coal-Measures), making microscopic sections of plants and also of Nummulitic Limestones.

Cutting, polishing and making microscopic sections of Corals, Bryozoa, and Crinoidea.

Developing and reducing Crinoidal specimens.

Making sections of Ammonites and Nautili.

Developing and fixing in case large specimen of *Ammonites leptophyllus* from Rottingdean.

Modelling rock-work for cases in Ornithological Gallery for groups of Penguins, Condor, and Griffon Vultures.

VI.—*Printing Labels.*

The preparation and printing of labels has been continued in the Department, not only for the Palæontological Collections but also for the Introductory series prepared by the Director in the Central Hall, and for the Department of Zoology (in part).

For the Introductory series in the Central Hall, 272 small labels and 48 larger labels have been set up and 3,339 copies have been struck off.

For Insects, Corals, Sponges, &c., 147 labels have been composed and 1,758 copies struck off.

For the Recent Mammalia 138 descriptive labels have been set up, and 834 copies struck off.

For the Bird Gallery 138 smaller labels and three descriptive labels have been set up, and 724 copies have been struck off.

For the Fossil Mammalia, Aves, and Reptilia, 31 small and 41 larger labels have been prepared, and 509 copies have been struck off.

For the Fossil Fishes 416 smaller labels and 13 of larger size have been composed, and 5,170 copies printed.

For the Fossil Invertebrata 1,055 labels have been set up in type, and 10,464 copies struck off.

The total number of labels composed during the year has been as follows :—

Actual number of labels set up.		Copies struck off.
Long descriptive labels - - - -	244	1,624
Shorter general labels - - - -	2,455	31,831
Total number of labels set up - - -	2,699	
Total number of copies struck off.		33,455

VII.—*Acquisitions.* 1.—*By Donation.* A.—VERTEBRATA.

1. *Mammalia.*—One tooth of *Tapirus,* from the Tertiary Phosphates, Peace River, South Carolina. Presented by the Rev. R. Ashington Bullen, M.A., F.G.S.

A left ramus of mandible of *Ursus spelæus,* part of metacarpal of a small carnivore *Canis?* and part of molar of *Rhinoceros* from the Forest-bed deposits, Cromer Cliff, Norfolk. Presented by Captain the Honourable W. Grimston, R.N., F.G.S.

A coloured reproduction of the maxilla with three molars of *Mastodon ohioticus,* Cuv., and inferior second molar of the same individual from the Government of Kamenez-Podolsk, District of Balta, village of Pestchana. (The original specimens described and figured by Marie Pavlow in Mem. de l'Acad. Imp. des Sciences, St. Petersburg, ser. viii., tom. i., pt. 3, 1894, p. 9, pl. i., figs. 1–4.) Presented by Professor Dr. Alexis Pavlow.

A molar of *Sus scrofa* from Mycenæ, Greece, and two tympanic bones of Cetacea from the Tertiary Phosphates of Williman Island, South Carolina. Presented by Mrs. Biddulph Martin.

Skull of a young Wild Boar, *Sus scrofa ferus*, with parts of skeleton of same, from peat deposit, Ranworth, Norfolk. Presented by H. D. Barclay, Esq.

Twelve jaws of Rodentia, etc., from Fish River Caves, Blue Mountains, New South Wales. Presented by Herbert Spearing, Esq.

2. *Aves.*—Portion of mandible of *Cnemiornis* from New Zealand. Presented by Dr. H. O. Forbes, F.Z.S., etc.

3. *Reptilia.*—One Amphibian Reptile, from the Eocene of Bombay. Presented by the Rev. Hume Elliot.

Three portions of jaw and one cervical vertebra of *Euskelesaurus*, and seven other fragmentary bones from the Karoo Formation of the Kraai River, S.W. of Aliwal North, Cape Colony. (Figured and described in Ann. Mag. Nat. Hist. [6], vol. xiv. (1894), pp. 335–340, figs. 6, 7). Presented by Professor H. G. Seeley, F.R.S., F.G.S.

A tooth of *Megalosaurus*, and a tooth of *Hoplosaurus*, from the Portlandian, Beagle Pit, Hartwell, near Aylesbury. Presented by J. Alstone, Esq.

4. *Pisces.*—Three specimens of *Myliobates dixoni* (M. Eocene), from Lee-on-the-Solent. Presented by Sir Charles Robinson, F.S.A., etc., etc.

Fifteen remains of Palæoniscid fishes from the Karoo Formation of Cape Colony, namely, 3 *Atherstonia minor* (one being type-specimen, Ann. and Mag. Nat. Hist.[6], vol. xii., 1893, p. 395, pl. xvii., fig. 2), 1 *Atherstonia seeleyi* (the type specimen, *ibid.*, p. 396, pl. xvii., fig. 3), the remainder undetermined. Presented by Prof. H. G. Seeley, F.R.S., F.G.S.

An enlarged restored plaster model of the head and adjoining parts of *Palæospondylus gunni*. Presented by Dr. R. H. Traquair, F.R.S., F.G.S.

A portion of a headplate of fossil fish (*Mesodon*) from the Inferior Oolite, Frocester Hill, Gloucestershire. Presented by S. S. Buckman, Esq., F.G.S.

Five undetermined fossil fishes from the Neocomian of Hildesheim : 1 *Coccosteus obtusus*, v. Koen., from the Devonian near Wildungen, and 1 Coccostean plate. Presented by Prof. Dr. A. von Koenen.

Two specimens of scales of *Otomitla speciosa* (Felix), from Neocomian of Cerro de la Virgen, near Tlaxiaco, Oaxaca, Mexico. Presented by Prof. Dr. J. Felix.

Twelve Eocene Fishes from the Nagpur District of Central India. Presented by Rev. W. Hume Elliot.

A spine of *Nemacanthus monilifer* from the Rhætic of Aust Cliff; three dental plates of *Ischyodus Thurmanni*, and one splenial of *Anomœodus superbus* from the Cambridge Greensand. Presented by Alfred N. Leeds, Esq., F.G.S.

Ten Selachian teeth from the Tertiary Phosphates of Williman Island, South Carolina; and three from the Miocene of Malta. Presented by Mrs. Biddulph Martin.

One vomer of *Gyrodus coccoderma* from the Kimmeridge Clay of Kimmeridge (figured and described by Egerton in Quart. Journ. Geol. Soc., vol. xxv. (1869), p. 383, woodcut, fig. 4), one Pycnodont vomer from the same locality (described and figured, *ibid.*, p. 385, woodcut fig. 5). Presented by J. C. Mansel-Pleydell, Esq., F.L.S., F.G.S.

One tooth of *Deltodus* sp. nov., from black bituminous limestone (Lower Yoredale Series), near Blackthorne farm, between Long Preston and Slaidburn, Yorkshire. Presented by the Rev. Addison Crofton, M.A.

Two specimens of *Atherstonia scutata*, a Permian fish, from the Karoo formation, Colesberg, South Africa. One presented by T. J. Haughton, Esq., F.G.S., the other by S. Kemper, Esq.

B.—Invertebrata.

(*a.*) *Mollusca.*—Nine specimens of *Goniatites* from the Carboniferous Limestone of Castleton, Derbyshire, and ten from the Isle of Man. Presented by J. Barnes, Esq., F.G.S.

One example of *Agoniatites verna-rhenanus* and one *Orthoceras* from the Devonian, Olkenbach, North East of Wittlich, Germany. Four *Goniatites*, and one *Orthoceras*, from the Lower Devonian, Ruplack, Nassau, and one *Orthoceras*, from Oberstadfeld, Nassau. Presented by Upfield Green, Esq., F.G.S.

Three *Goniatites* from the Lower Coal Measures of Bacup, Rosserdale, Lancashire. Presented by H. Bolton, Esq., F.R.S.E., etc.

One specimen of *Pericyclus furcatus* from the Carboniferous Limestone of Clane, co. Kildare, Ireland; two examples of *Pericyclus doohylensis*, from the Carboniferous Limestone of Doohyle, near Rathkeale, co. Limerick; and a plaster cast of the type of *Nautilus willockii*, from the Carboniferous of Cleenish, Fermanagh, Ireland. Presented by Dr. A. H. Foord, F.G.S.

Three *Goniatites* from the Lower Coal-Measures of Halifax, Yorkshire. Presented by Dr. Wheelton Hind, F.G.S.

A specimen of *Nautilus*, from the Pea-Grit (Inferior Oolite), Leckhampton Hill. Presented by Evan Butler, Esq.

One thousand three hundred and eighty-nine Mollusca from the Eocene, Nagpur district of Central India. Presented by the Executors of the late Rev. Dr. Hunter, F.G.S.

Three specimens of *Bulimus auris-vulpina*, from the Post Pliocene deposits, St. Helena. Presented by H. C. Robinson, Esq.

Forty-one *Goniatites*, and one *Nautilus*, from the Lower Carboniferous Rocks of Yorkshire and Derbyshire. Presented by W. F. Holroyd, Esq., F.G.S.

Sixteen *Belemnites* and forty-four *Ammonites* from the Oxford Clay; three *Ammonites* from the Kellaway Rock; and twelve Mollusca (*Pholadomya, Ceromya, etc.*) from the Lower Oolites of Northamptonshire. Presented by A. N. Leeds, Esq., F.G.S.

Ten Gasteropoda (*Amauropsis, etc.*) and twenty Lamellibranchiata (*Protocardia* and *Trigonia*) from Jurassic ferruginous sandstone at the old Chinese gold-mines, Buduk, Sambas, Dutch West Borneo. Presented by Edward T. McCarthy, Esq.

The cast of a small Gasteropod shell from the Kimmeridge Clay enclosed within a crystal of Selenite (Gypsum). Presented by E. C. Bousfield, Esq., M.R.C.S., etc.

A *Nautilus* and two *Ammonites* from the Chalk at Beachy Head, Sussex. Presented by C. Davies Sherborn, Esq., F.G.S.

A natural cast of *Patella rugosa*, from the Coralline Oolite, Pickering, Yorkshire. Presented by Thornton Comber, Esq.

Four specimens of Millstone Grit with casts of *Myalina, Bellerophon*, etc., from Standedge Hill, Huddersfield. Presented by J. H. Grundy, Esq.

Two hundred and sixty-three specimens of Mollusca from various formations, and localities in Russia. Presented by F. A. Bather, Esq., M.A., F.G.S.

(*b.*) *Brachiopoda.*—One *Athyris undata* from the Lower Devonian, Oberstadtfeld, Eifel, and two specimens of *Gypidula (Sieberella) galeata*, from the Lower Devonian, Torquay. Presented by Upfield Green, Esq., F.G.S.

One hundred Brachiopoda (*Rhynchonella, Eudesia, Terebratula*, etc.) from the Lower Oolites, Northamptonshire. Presented by Alfred N. Leeds, Esq., F.G.S.

A series of small fossils, Brachiopoda, &c., from the Charing detritus deposit (Chalk-Marl), Kent. Presented by Professor T. Rupert Jones, F.R.S., F.G.S.

Two hundred and twenty Brachiopoda, from various formations and localities in Russia. Presented by F. A. Bather, Esq., M.A., F.G.S.

(*c.*) *Bryozoa.*—Twelve specimens of Chalk Bryozoa. Presented by A. H. Hinton, Esq.

Sixteen specimens of Chalk Bryozoa. Presented by Dr. H. P. Blackmore, F.G.S.

Eighteen Cretaceous Bryozoa from various localities. Presented by C. J. A. Meÿer, Esq., F.G.S.

Fifty-seven Bryozoa from the Chalk of Ireland. Presented by Joseph Wright, Esq., F.G.S.

One hundred and ninety-nine Bryozoa, Corals, &c., from various localities in Russia. Presented by F. A. Bather, Esq., M.A., F.G.S.

(*d.*) *Insecta and Crustacea.*—Twenty-one Phyllopod valves and telsons, contained in nodules, belonging to the genera *Dictyocaris* and *Ceratiocaris*, from the Silurian rocks of Muirkirk. Presented by James Thomson, Esq., F.G.S.

Seventeen specimens of Eocene Crustacea from the Nagpur District of Central India. Presented by the Executors of the late Rev. Dr. Hunter, F.G.S.

Two casts showing enlarged models of the *upper* and *under* sides of *Triarthrus beckii*, Utica Slates, near Rome, New York, with the appendages restored from the original specimen, by Professor Charles Beecher, Yale University, N.H., Connecticut, U.S A. Presented by Rev. R. Ashington Bullen, M.A., Lond., F.G.S., etc.

A specimen containing tracks of Annelid or Crustacean from Triassic Sandstone, Storeton Quarries, near Birkenhead, Cheshire. Presented by W. Mawby, Esq.

Seventy-eight Trilobites, from the Silurian, etc., of Esthland, Russia. Presented by F. A. Bather, Esq., M.A., F.G.S.

(*e.*) *Echinodermata.*—A series of Echinoderms from the Eocene formation, Nagpur district of Central India. Presented by the Executors of the Rev. Dr. Hunter, F.G.S.

One specimen of *Zeacrinus* from the Carboniferous of the Alleghany Mountains, U.S.A. Presented by William Cunnington, Esq., F.G.S.

A specimen of *Peltaster clathratus* from the Chalk-Marl of Folkestone. Presented by A. J. Jukes-Browne, Esq., F.G.S.

Four specimens of Hydractinidæ from the Pliocene of Astigiana and Castellarquato. Presented by Dr. P. E. Vinassa de Regny.

Counterpart of the type-specimen of *Asterias arenicola*, Goldf., from the Calc-Grit, near Pickering Yorkshire. (The figured half is in the Museum of the York. Phil. Soc., *see* Charlesworth's London Geological Journal, pl. 17.) Presented by the Rev. Thos. Wilkinson Norwood, B.A., F.G.S.

One hundred and forty Echinoderms, etc., from various formations and localities in Russia. Presented by F. A. Bather, Esq., M.A., F.G.S.

(*f.*) *Porifera and Protozoa.*—Fifteen Rock specimens containing Nummulites, etc., from the Post-Tertiary, Tertiary and Palæozoic deposits of British Honduras. Presented by the Government of British Honduras.

A specimen of Foraminiferal Limestone containing *Orbitoides, Nummulites*, etc. Eocene, Pass of Singhe Là, Himalayas. Presented by T. D. la Touche, Esq.

A specimen of *Fusulina* limestone from the Carboniferous rocks of Mjatchkowa, Russia. Presented by G. F. Harris, Esq., F.G.S.

A specimen of flint covered with borings of *Cliona cretacea*, from the Upper Chalk, Croydon. Presented by J. Tucker, Esq.

A slide containing several examples of *Marginulina wetherelli*, Jones. From the London Clay, Piccadilly, Chelsea, etc. (figured in Proc. Geol. Assoc., vol. xv. (1897), pl. iii.) Presented by C. Davies Sherborn, Esq., F.G.S.

Three sections of Cretaceous sponges, viz :—

(1) *Doryderma ramosum*, (2) *Siphonia königii*, from Sandown Bay, and (3) *Stachyspongia spica*, from the Chalk, Folkestone. Presented by Arthur Walton Rowe, Esq., M.D., M.R.C.S., F.G.S.

C.—Plantæ.

A Model in Pipe-clay of a Diatom *Heliopelta metii* × 1,000 diameters, from the Diatomaceous earth, Barbadoes, also the original slide. Presented by James Daniel Hardy, Esq.

Three fossil plants (two Cycads and one Fern) from the Inferior Oolite of the Yorkshire Coast. Presented by Dr. Frank Corner, F.G.S.

Two hundred and seventy-five fossil plants from the Eocene formation, Nagpur District of Central India. Presented by the Executors of the late Rev. Dr. Hunter, F.G.S.

Twenty-five Tertiary leaves from Australia. Presented by Gordon Salamon, Esq.

A slab containing impressions of *Psilophyton* from the Middle Devonian of Hillsborough, Ilfracombe. Presented by G. C. Crick, Esq., F.G.S.

Four specimens of *Lycopodites myrsinitoides*, Sandb., from the Lower Devonian, Rupbach, Nassau. Presented by Upfield Green, Esq., F.G.S.

Fifteen specimens of Permo-Carboniferous Plant-remains from South Africa (forming the types (figured and described) in Mr. Seward's paper in Quart. Journ. Geol. Soc., 1897, vol. liii., pls. 21–24, p. 315). Presented by David Draper, Esq., F.G.S.

A specimen of *Tempskya schimperi*, Corda, a fern stem from the Wealden, Battle, Sussex. Presented by Pelham R. Papillon, Esq.

Five Permo-Carboniferous Plant-remains and other specimens from the Colesberg district, South Africa. Presented by Thos. J. Haughton, Esq., F.G.S.

Seven fossil plants from Russia. Presented by F. A. Bather, Esq., M.A., F.G.S.

Donation of Illustrations.

A series of thirteen large photographs of the skeletons and restorations of extinct Mammals, being copies of objects in the Princeton Museum, and in the Department of Vertebrate Palæontology in the American Museum of Natural History, New York, U.S.N.A. Presented by Morris K. Jessup, Esq., President of the Museum.

These illustrations have been prepared and mounted in passes-partouts, and framed and glazed with suitable labels for the Geological and recent Mammalian Galleries.

II.—*By Purchase.* A. VERTEBRATA.

1. *Mammalia.*—A collection of Pliocene Mammalian fossils from Olivola, Carrara Mountains, Italy, comprising remains of *Cervus, Leptobos, Equus, Rhinoceros, Ursus,* an imperfect mandibular ramus of *Machairodus,* and twenty bones of Ungulates.

A series of teeth of *Palæotherium magnum,* from the Eocene, Isle of Wight.

Fifteen bones of *Elephas melitæ,* from the Cavern of Cavini, and one of *Mastodon arvernensis,* Isle of Sicily.

The "Savin Collection" of Pliocene Mammalia from the Cromer "Forest bed series" comprises the following remains:—3 of *Talpa europæa;* 1 *Trichechus huxleyi;* 1 *Phoca,* sp.; 1 of *Felis,* sp.; 5 *Hyæna crocuta;* 5 *Canis lupus;* 5 *Canis,* sp.; 1 of *Canis vulpes;* 1 *Mustela,* sp.; 22 of *Ursus spelæus;* 1 of *Machairodus latidens;* 2 of *Hyæna,* sp.; 17 of *Cervus verticornis;* 13 of *Cervus elaphus;* 25 of *Cervus savini;* 4 of *Cervus sedgwickii;* 6 of *C. dawkinsii;* 3 of *C. polignacus;* 8 of *C. etueriarum;* 9 of *C. tetraceros;* of remains of *Cervidæ* not specifically determined there are 484; 3 *Capreolus capreola;* 24 *Alces latifrons; Bison bonasus* (var. *priscus*), 51 specimens; 26 of *Hippopotamus major;* 12 of *Hippopotamus amphibius;* 6 of *Sus scrofa;* 83 specimens of *Rhinoceros etruscus;* 207 of *Equus fossilis;* 34 specimens of *Elephas meridionalis;* 55 of *Elephas antiquus;* 23 of *E. primigenius;* 80 specimens of *Elephas* not specifically determined; 248 of *Arvicola intermedius;* 22 of *A. arvalis;* 16 of *A. amphibius;* 1 of *A. glareolus;* 405 specimens of *Arvicola,* not specifically determined; 57 of *Trogontherium cuvieri;* 7 of *Castor europæus;* 2 of *Balæna,* sp.; 7 remains of *Cetacea;* 1 of *Delphinapterus leucas;* 1 of *Orca gladiator;* 1 of *Monodon monoceras;* 1 of *Phocæna communis;* about 90 mammalian remains have not been named. There are upwards of 2,000 specimens, a large number of which have been described and figured by Mr. E. T. Newton, F.R.S., in "The Vertebrata of the Forest Bed Series of Norfolk and Suffolk," and in "The Geological Magazine."

2. *Aves.*—Eighteen bird-remains embracing the genera *Bubo, Anser, Anas, Spatula,* and *Alca,* from the Forest-bed series, Cromer, Norfolk (figured and described by E. T. Newton, F.R.S., in "Vert. Pliocene Deposits," pl. ix. figs. 4 *a, b, c,* in Geol. Mag. (3), vol. iv., pl. iv., fig. 4, and in "Vert. Forest Bed," pl. xvii., figs. 1, 2, 3), part of the "Savin Collection."

3. *Reptilia.*—A collection of Fossil Vertebrates from the Oxford Clay, Fletton, near Peterborough, viz.:—Ten Pliosaurian and three new Dinosaurian teeth; a nearly complete

Plesiosaurus, sp. indet., with remarkably fine paddles (there are four hundred and eighty-one bones belonging to this specimen). Also one hundred and thirty-five bones of another *Plesiosaurus*, and two hundred and thirty-five bones of a third specimen. A *Muræenosaurus*, sp. nov., with three hundred and twenty-two bones, the phalanges very well preserved; a second *Muræenosaurus*, of which there are one hundred and seventeen bones, and a specimen of *Steneosaurus* represented by seventy-five bones and some scutes. Also five figured bones of *Cryptoclidus oxoniensis* (*see* Geol. Mag., 1896, pp. 145–148, with process illustration).

A new species of *Rhamphorhynchus* from Solenhofen, a specimen of *Ophiderpeton vicinum*, one *Nyrania*, one *Urocordylus scalaris*, etc., and a Labyrinthodont from the Permo-Carboniferous formation of Bohemia.

Two specimens of *Trionyx italicus* and one of *Crocodilus arduini*, from Monte Bolca, Verona.

One *Pelorosaurus laticeps*, Kimmeridge Clay, Weymouth, and one Reptilian bone from the Gault, Folkestone.

Sixteen remains of Reptilia from the Freshwater bed, West Runton, Cromer, viz., *Tropidonotus natrix*, *Rana esculenta*, and *R. temporaria* (figured Mem. Geol. Surv. (1882), pl. xvii., fig. 7).

4. *Pisces*.—A specimen of *Belonostomus cinctus* from the Chalk, one *Chirocentrites*, sp., from the Gault, Folkestone, two *Platax woodwardii*, and six *Lamna* teeth.

One *Saurichthys tenuirostris*, from Rauhthal, near Jena, Thuringia.

Five fossil fishes from Solenhofen, viz., *Cestracion falcifer*, *Mesturus verrucosus*, *Megalurus*, *Ophiopsis*, and *Belonorhynchus* from the Trias of Perledo.

Ten fossil fishes, *Pholidophorus pusillus*, sp., three specimens of *Palæoniscus*, sp., *Conchopoma gadiforme*, *Lepidopterus duvernoyi*, *Amblypterus*, *Drepanaspis gemundensis* and *Lepidotus gigas*.

Three specimens of *Microbranchus*, one *Palæoniscus sculptor*, three *Spiroglyphus vorax*, and three egg capsules of Selachian, from the Permo-Carboniferous of Nyran, Bohemia.

A head of *Caturus*, from the Oxford Clay, Fletton, near Peterborough, and one fish jaw from the Grey Chalk, Folkestone.

Twenty fossil fishes from the Cretaceous of the Lebanon, and one specimen of *Onchus*.

Two teeth of *Ptychodus* from the Chalk, Beer, Devonshire, and three specimens of *Cladoselache*, Devonian, Ohio.

Two hundred and seventy-four fish remains, bones, and teeth from the Forest Bed and Upper Freshwater Bed in the neighbourhood of Cromer, Norfolk, embracing the following genera. *Esox*, *Platax*, *Raja*, *Acanthias*, *Galeus*, *Barbus*, *Chrysophrys*, *Abramis*, *Gadus*, *Tinca*, *Acipenser*, *Leuciscus*,

Perca, Thynnus, Platessa (eight specimens figured by E. T. Newton, F.R.S., "Vert. Forest Bed," pl. xviii., figs. 1, 15, 16, 17, 17*a*, 17*b*, and 27, and pl. xix., fig. 2, also in "Vert. Pliocene Deposits, pl. ix., fig. 8), part of the "Savin collection."

B.—Invertebrata.

(*a.*) *Mollusca.*—Seven hundred and forty-eight specimens of Mollusca, from the Tertiary, Cretaceous, and Jurassic formations of Algeria.

One hundred and twelve Mollusca from various localities and formations.

One hundred and forty-seven specimens of Cephalopoda, one hundred and five Gasteropoda, and one hundred and nine Lamellibranchiata from the Inferior Oolite of Dorset and Somerset.

Two Cuttle-fish and one Ammonite from the Lithographic stone, Solenhofen, two *Belemnites giganteus* and two *Trigonia interlævigata*

One *Pholadomya ambigua*, from the Middle Lias, Cheltenham, and 20 Mollusca, etc. from the Tertiary, Murray River, South Australia.

A series of 214 Mollusca, etc. from a deep well at Galveston, Texas, and thirteen other shells from the Gault and Lower Chalk, Folkestone.

A specimen of *Nautilus* from the London Clay, Frognal Road, Hampstead, and two *Macrocephalites Ischmæ*, Dogger, from Petschora Land.

(*b.*) *Brachiopoda.*—Eleven specimens of Brachiopoda, from the Cretaceous and Jurassic formations of Algeria; and four from the Cretaceous of Galveston, Texas, U.S.A.

Seventeen Brachiopoda from the Inferior Oolite of Dorset and Somerset.

(*c.*) *Bryozoa.*—Twenty-three species of Bryozoa from the Chalk of Bohemia.

35 Bryozoa from the Cretaceous of Galveston, Texas.

(*d.*) *Annelida.*—Two Annelides from the Secondary rocks of Algeria.

(*e.*) *Crustacea* and *Insecta.*—Two specimens of *Acantherpestes gigas*, one of *Prestwichia*, four of *Bolina raiblana*, two of *Gampsonychus*, etc., all from the Permo-Carboniferous of Nyran, Bohemia.

A specimen of *Ogygia corndensis*, Lower Silurian, Shropshire.

Ten Crustacea from the Cretaceous of the Lebanon, Syria; and ten specimens from the Lower Cretaceous of Galveston, Texas, U.S.A.

A series of fifty Trilobites named and identified by Dr. Fritsch, illustrating the development of certain genera, from the Silurian and Ordovician formations of Bohemia, part of the "Barrande Collection."

(*f.*) *Echinodermata.*—Nine Echinoderms from Osck, Bohemia, viz., *Pyrocystites pryam, Trochocystites mitra, Craterina bohemica,* and *Agelacrinus,* n. sp.; one *Agelacrinus pileus* from Lebanon, Ohio, and one from Wagnerville, a specimen of *Nucleocrinus angularis,* from Charlestown, Indiana, three *Siphonocrinus nobilis,* Bridgeport, Illinois, one *Micraster glyphus,* and 1 *M. schroderi* from Langerdorf, Holstein.

Three hundred and forty-four Echinoderms from the Secondary Rocks of Algeria.

Four hundred and ninety-nine Echinoderms from the Silurian, Devonian, and Carboniferous formation of Illinois, U.S.A.

Twelve specimens of Echinodermata from the Inferior Oolite of Dorset and Somerset.

(*g.*) *Actinozoa.*—Sixteen Corals from the Secondary Rocks of Algeria, and a specimen of *Cyathophyllum*; and 35 Corals from the Cretaceous of Galveston, Texas, U.S.A.

Twelve Corals from the Lower Jurassic of Dorset and Somerset.

(*h.*) *Porifera* and *Protozoa.*—Ninety-eight figured types of Gault Foraminifera (figured in Journ. Roy. Micro. Soc.).

Four Foraminifera from the Secondary Rocks of Algeria; and three from Galveston, Texas, U.S.A.

C.—Plantæ.

A specimen of *Anthracochondrus bohemicus,* one *Antholithes Pitkarniæ,* and one *Equisetites infundibuliforme,* from the Permo-Carboniferous formation of Nyran, Bohemia. Also four fossil plants from Spitzbergen.

The total number of specimens acquired during the past year (1897) has been as follows:—

A.—Vertebrata:		
By Donation - - - - -	224	
„ Purchase - - - - -	2,844	
„ Exchange - - - - -	7	
		3,075
B.—Invertebrata:		
By Donation - - - - -	1,883	
„ Purchase - - - - -	2,541	
„ Exchange - - - - -	—	
		4,424
C.—Plantæ:		
By Donation - - - - -	49	
„ Purchase - - - - -	14	
„ Exchange - - - - -	—	
		63
Total Acquisitions in 1897 - -		7,562

VIII.—*Exchanges and Duplicates.*

The following exchanges, which were sanctioned by the Trustees, have been completed during the past year, viz. :—

1. One Mollusc and four Crinoids given to the Royal College of Science, in exchange for a fine *Marsupiocrinus* from the Wenlock Limestone, Dudley (probably a new species).

2. Forty-three duplicate English Chalk fossils given to Mrs. A. D. Davidson of Indiana, U.S., for thirty specimens of Corals and Brachiopods from the Devonian of Indiana ; new to the Collection.

3. Three duplicate casts of fossils given to Prof. A. Gaudry, Paris Museum, for a coloured reproduction of the skull of *Machairodus*, from Brazil.

4. Three casts, and three duplicate leg bones of *Æpyornis* from Madagascar, given to Prof. E. C. Stirling, F.R.S., Adelaide Museum, for a series of bones and casts of the leg of *Genyornis newtoni* from Mulligan Springs, S. Australia, new to the Museum.

5. Duplicate Reptilian bones ; six casts of Mammal and Reptilian remains, including a cast of *Pariasaurus*, for a very large and varied collection of fossil Mammalian remains, and casts of others, from the " Pampas " and older formations of S. America, sent to the British Museum by Dr. F. P. Moreno, Director of the La Plata Museum, Argentina.

6. One hundred and eighty-two duplicate Tertiary shells have been given to Dr. Paul Oppenheim in exchange for two hundred and fifty specimens of Gasteropoda from the Upper Cretaceous formation of Ajka, Hungary, and the Bouches du Rhone.

7. A duplicate copy of William Smith's Geological Map (1815) of England and Wales was given to the Royal College of Science, South Kensington, in exchange for photographic copies (1) of William Smith's original Map of the Country round Bath (geologically coloured), dated 1799 ; (2) MS. table of strata, dictated and signed by William Smith, dated 1799 ; (3) small, geologically coloured, map of England and Wales, dated 1801. (The copies were made under Professor Judd's direction from the originals in the possession of the Geological Society.)

8. A small series of duplicate fossils (224 in number) has been transferred to the Trustees of the Falconer Memorial Museum at Forres, near Elgin.

IX.—*Lectures and Demonstrations.*

Dr. H. Woodward, assisted by Mr. G. C. Crick, Mr. R. B. Newton, etc., gave a Demonstration in Galleries Nos. 7 and 8, on the Mollusca, to 68 members of the Geologists, Association under the Presidency of E. T. Newton, Esq., F.R.S., on March 20th.

The Chelsea and Fulham Coöperative Society, 15 in number, received a demonstration from Dr. Woodward on May 1st.

Thirty-seven members of the London Society for the Extension of University Teaching (secretary, Mr. F. Tremain) visited the Museum on May 8th, and attended a Demonstration in the Geological Department by Dr. H. Woodward.

On June 19th the Geological Section of the London Society for the Extension of University Teaching, Upper Holloway, visited the Museum and received a Demonstration from Mr. Arthur Smith Woodward.

Professor Hans Gadow, F.R.S., and a class of advanced students from Cambridge were received by Dr. Woodward and given a Demonstration in the Mammalian Gallery.

Ten students from the Borough Polytechnic (S.E.) were received by Mr. Arthur Smith Woodward, on Sunday, November 14th, and given a demonstration in the Museum.

X.—Research Students.

During the past year the resources of the Department have been largely utilised by various persons engaged in particular objects of research; amongst whom may be specially named:—Dr. R. H. Traquair, F.R.S., Researches on Fossil Fishes; Mr. H. W. Burrows, Foraminifera and Tertiary Mollusca; Prof. T. Rupert Jones, F.R.S., Fossil Entomostraca and Phyllopoda; Miss J. Donald, Palæozoic Gasteropoda; Dr. Dukinfield H. Scott, F.R.S., Palæobotany and Histology; Mr. A. Maslem, Palæobotany and Histology; Mr. A. C. Seward, M.A., Oolitic Plants (Williamson collection); Mr. Clement Reid, F.G.S., Post-pliocene Plant-remains; Prof. Molengraaf, Borneo Fossils; F. L. Kitchin, B.A., F.G.S., Indian Brachiopoda and Mollusca; G. F. Harris, F.G.S., Tertiary Mollusca; Dr. G. J. Hinde, F R.S., Sponges and Radiolaria; Mr. Kloos, Celebes Fossils; Mr. S. F. Harmer, M.A., S. American Edentata; Rev. G F. Whidborne, M.A., F.G.S., Devonian Fossils.

Students and Readers.

The number of visits from Students and Readers who have consulted the collections and the Geological Library for the purpose of carrying on scientific work during the past year, and who have received assistance from members of the staff, was 4,889.

Henry Woodward.

Department of Geology,
5 February 1897.

Department of Mineralogy.

The Staff and its Duties.

The staff of the Mineral Department consists of the Keeper, three Assistants, four Attendants, and one Boy-Attendant. The duties are generally distributed as follows:—

Three Assistants.—To one is assigned most of the scientific and executive work relating to the collection of *mineral species;* this includes the preliminary examination of specimens submitted for purchase or exchange, the registration and incorporation of those recently acquired, the determination of the physical and geometrical characters, and the preparation of species-, variety-, and locality-labels.

To a second is assigned similar work relative to the specimens of *rocks.*

To a third is assigned the *chemical analysis* of both *minerals* and *rocks.*

Though a mineralogist can no longer satisfactorily attempt both to keep abreast of scientific knowledge and to undertake original research in more than one of the three main branches of the subject (physical, petrological, and chemical), such a sharp limitation of the work of the assistants would be contrary to the interests of the Museum; hence, as far as possible, it is arranged that each assistant has the opportunity of acquiring a general knowledge of the specimens preserved in the Department, and of thus becoming more useful than he otherwise would be during the absence of his colleagues.

Four Attendants and One Boy-Attendant.—The general duties of dusting the cases in the gallery, assisting the officers in the arrangement of specimens, &c., are performed by the attendants and boy-attendant.

Further, one of the attendants is specially employed in the preparation of thin sections of minerals and rocks for examination with the microscope; a second is charged with the arrangement and cataloguing of the departmental library; a third is specially responsible for the careful packing and unpacking of specimens received at the Museum for examination, and gives assistance in the chemical laboratory. The boy-attendant is charged with the sale of the departmental guides, attends on the superior officials as required, and does a large part of the simpler mechanical work, such as the filling of trays with clean cotton-wool.

General.

Descriptive catalogues of the specimens of Emplectite, Jamesonite and Atacamite have been in preparation and that of Copper Pyrites has been brought up to date.

The difficult problem of the Classification of Minerals has been under consideration.

The "Student's Index" and the larger Guide to the Minerals have been revised for the printer, and new editions have been issued.

Goniometrical determinations have further been incidentally made on crystals of the following species:—Anglesite, Apatite, Augelite, Barytes, Calcite, Chessylite, Cinnabar, Edingtonite, Epidote, Fireblende, Linarite, Malachite, Marshite, Monazite, Mohsite, Plagionite, Quartz, Sphene, Stephanite, Tetrahedrite, Topaz, Valentinite, Wulfenite, Zircon.

Crystallographic and chemical investigations involving quantitative analyses have been made on specimens of Andorite, Sundtite and Webnerite, having for result the establishment of the identity of these species.

Quantitative chemical analyses have also been made of Tripuhyite, a new antimonate of iron from Brazil, Plagionite from Arnsberg and Wolfsberg, Jamesonite from Bolivia, Senaite, a new Ilmenite-like mineral (containing lead) from Brazil, and Dolomite from the Transvaal: 122 doubtful minerals have been qualitatively analysed and determined; specimens of doubtful minerals containing the rare element Germanium have also been qualitatively examined. A chemical and physical examination has been made of a liquid found in a sarcophagus at Sidon.

The large collections of Italian and Alpine rocks brought together by Cavaliere G. P. Jervis have been topographically arranged in the drawers, and descriptive labels prepared by Cavaliere Jervis have been placed with the respective specimens.

In connection with the slip-catalogue of the rock-sections 83 micro-sections have been examined. Additional large rock specimens have been mounted on blocks and labelled, and the series has been extended to fill the two wall-cases at the eastern end of the Mineral Gallery.

The fittings of the lower parts of two of the Pseudomorph cases have been altered, and the larger Pseudomorphs have been mounted on blocks, labelled, and arranged thereon.

The re-arrangement of the mineral specimens in the drawers, rendered necessary by the growth of the Collection, has been continued.

One hundred and seven boxes of mineral specimens have been received and unpacked during the year; 86 boxes have been despatched.

Departmental Library.

To the Departmental Library have been added 125 separate works (in 199 volumes), 61 memoirs and pamphlets, and 28 parts of works not yet completed.

Of the above, 20 volumes and 27 memoirs and pamphlets were acquired by presentation or transfer; all of them, including 984 plates, have been registered and stamped.

Visitors.

The number of visits recorded as made to the Department, for purposes of consultation or study, is 1,248; of these, 531 were more especially for purposes of study.

Exchanges.

Exchanges have been arranged with the Museums of Aberbeen University, Calcutta, Munich, and Stockholm.

Acquisitions.

Two thousand one hundred and two specimens have been acquired during the year 1897, namely:—896 minerals, 1,191 rocks and 15 meteorites. These have been registered, numbered, labelled, and incorporated with the collection. The more important of them are as follows:—

Minerals.

By Presentation:

A collection of Gold Ores from Australia: by J. C. F. Johnson, Esq.

A collection of minerals from Bolivia: by M. Roberts, Esq.

Andorite ("Sundtite"), part of Professor Brögger's original specimen; Oruro, Bolivia: by Professor W. C. Brögger.

Andorite ("Webnerite"), part of the late Professor Stelzner's original specimen; Itos Mine, Oruro, Bolivia: by Professor A. Weisbach.

Apatite; Mysore, India: by L. Stromeyer, Esq.

Carborundum crystals: by Sir John Evans, K.C.B., F.R.S.

Carnallite crystals: by Baron A. E. Nordenskiöld.

Cinnabar with Malachite; Cabrales, Asturias: by J. W. Richmond Lee, Esq.

Claudetite; S. Domingo mines, Portugal: by A. G. Phillips, Esq.

Chrysotile; Danville mine, Quebec, Canada: by R. H. Jones, Esq.

Garnet; Ngomeni Hills, British East Africa: by J. S. Hyland, Esq.

Gold Ore; British Columbia: by G. de Wolf, Esq.

Gold with Native Bismuth; Buduk, West Borneo: by E. T. McCarthy, Esq.

Graphite (columnar); Ottawa, Canada: by F. B. Henderson, Esq.

Kosmochlore, a new mineral, from the Toluca Meteoric Iron: by Professor H. Laspeyres.

Limonite, pseudomorphous after magnetite; S. Antonio, Brazil: by P. B. Waugh, Esq.

Loranskite; Imbilax, Finland: by Professor M. Melnikoff.

Melanophlogite and Strontianite; Sicily: by J. Giammusso Oliveri, Esq., M.E., F.G.S.

Molybdenite; Killifreth mine, Cornwall: by Upfield Green, Esq., F.G.S.

Molybdenite, Muscovite and Euxenite; Norway: by H. B. Fulton, Esq.

Molybdenite on Granite; Dhoon quarry, Isle of Man: by Professor C. Le Neve Foster, F.R.S.

Nantokite and Erythrite; New South Wales: by the Secretary, Geological Survey Branch, Department of Mines and Agriculture, Sydney, New South Wales.

Noumeaite, Glaucophane, Cassiterite and Molybdenite; New South Wales: by Professor A. Liversidge, F.R.S.

Sapphire; Australia: by E. W. Streeter, Esq.

Tripuhyite, Derbylite and Lewisite crystals; Minas Geraes, Brazil: by Dr. E. Hussak.

Wavellite; Devonshire: by J. Hamling, Esq.

By Purchase:

Adularia, an extremely large twinned crystal; Airolo, Switzerland.

Ægirite, suite of fine crystals; Igaliko, Greenland.

Amphithalite; Horrsjöberg, Sweden.

Anglesite, a group of large crystals; Beeralston, Devonshire.

Apatite, group of tabular crystals: Stillup, Tyrol.

Argyrodite, one of the original specimens from the collection of Professor Th. Richter of Freiberg; Himmelsfürst mine Freiberg, Saxony.

Atacamite, fine crystals; Sierra Gorda, Chili.

Barytes, magnificent group of pale blue crystals; Pallaflat, Cumberland.

Bixbyite; Juab County, Utah, U.S.A.

Blende, large composite crystal; Joplin, Missouri, U.S.A.

Bliabergite; Bliaberg, Sweden.

Blödite, group of large crystals; Pampa del Toro, Taltal, Chili.

Boleite, crystals in matrix; Boleo, Mexico.

Bournonite, fine crystals; Neudorf, Harz.

Breithauptite, in hexagonal plates; Andreasberg, Harz.

Brookite; Sanarka River, Urals.

Calcite; group of crystals with pale green Barytes; Pallaflat, Cumberland.

Calcite; group of large crystals on Dolomite; Joplin, Missouri, U.S.A.

Calcite with large liquid inclusion; Eskefjord, Iceland.

Caracolite with Atacamite; Sierra Gorda, Chili.

Cassiterite (Wood Tin); West Kitty mine, Cornwall.

Celestite; Mokattam, Egypt.
Chondrostibian; Sjögrufvan, Grythyttan, Sweden.
Cinnabar, fine crystals with Native Mercury; Almaden, Spain.
Claudetite; Schmölnitz, Hungary.
Copper, in good crystals; Lake Superior Mining Region.
Copper Pyrites, twinned crystals; Neudorf, Harz.
Crocoite, group of brilliant crystals; Tasmania.
Crocoite; Umtali, Mashonaland.
Cromfordite with Cerussite; Iglesias, Sardinia.
Cryolite; Evigtok, Greenland.
Cupro-uranite; Cornwall.
Darapskite; Taltal, Chili.
Descloizite with Vanadinite; Magdalena, New Mexico, U.S.A.
Dietrichite; Felsöbanya, Hungary.
Ekdemite; Mammoth mine, Arizona, U.S.A.
Elfstorpite; Sjögrufvan, Grythyttan, Sweden.
Endlichite; Hillsboro, New Mexico, U.S.A.
Erubescite, a large crystal of this rarely crystallised mineral; Prägratten, Tyrol.
Fluor, a group of capped octahedra; Beeralston, Devonshire.
Fluor in cubo-octahedra; Stolberg, Harz.
Freieslebenite with Pyrargyrite; Hiendelaencina, Spain.
Galena, tabular crystals: Galena, Illinois, U.S.A.
Galena with the form of Pyromorphite; Cornwall.
Garnet, large crystals in chlorite-schist; Salida, Colorado, U.S.A.
Gersbyite; Dicksberg, Sweden.
Gersdorffite; Friedrichssegen, Nassau.
Gold in Quartz, a magnificent specimen; Santa Isabel mine, Remedios, Colombia.
Gold; Vöröspatak, Transylvania.
Gonnardite; Bergonne, Auvergne.
Hamlinite; Paris, Maine.
Hessite; Botes, Transylvania
Jarosite; Sierra Almagrera, Spain.
Jeffersonite, group of large crystals; Sterling Hill, New Jersey, U.S.A.
Jordanite, fine crystal; Binnenthal, Switzerland.
Kainosite; Nordmarken, Sweden.
Lawsonite, large crystals; Tiburon Peninsula, California, U.S.A.
Lehrbachite; Zorge, Harz.
Lepidolite; Haddam, Connecticut, U.S.A.
Leucite pseudomorphs; Magnet Cove, Arkansas, U.S.A.
Leucophane; Langesund, Norway.
Linarite; Llaillai, Chili.
Magnetite, in micaceous bomb; Monte Somma, Vesuvius.
Manganite, fine crystals; Ilfeld, Harz.
Marshite; Broken Hill, New South Wales.

Melanostibian; Sjögrufvan, Grythyttan, Sweden.
Molybdenite, large crystals in matrix; Aldfield Township, Quebec, Canada.
Munkforssite; Dicksberg, Sweden.
Munkrudite; Dicksberg, Sweden.
Neotesite; Sjögrufvan, Grythyttan, Sweden.
Nickel-skutterudite; Grant County, New Mexico, U.S.A.
Pearl Spar, iridescent; Frizington, Cumberland.
Phenakite, extremely large crystal; Kragerö, Norway.
Plagionite; Wolfsberg, Harz.
Prosopite in Hæmatite; Altenberg, Saxony.
Pyromorphite, brilliant yellow crystals; Cornwall.
Pyromorphite, group of fine crystals; Friedrichssegen, Nassau.
Pyrostilpnite; Andreasberg, Harz.
Quartz, twinned crystals; Narushima, Japan.
Ralstonite; Evigtok, Greenland.
Ransätite; Bliaberg, Sweden.
Rhodochrosite; Horhausen, Nassau.
Rhodonite, fine crystals; Harstig mine, Pajsberg, Sweden.
Rhodonite; Franklin Furnace, New Jersey, U.S.A.
Rhodophosphite; Horrsjöberg, Sweden.
Rutile needles in Quartz; Piz Aul, Lugnetz-thal, Switzerland.
Sapphire; Takayama, Japan.
Schwatzembergite; San Rafael mine, Sierra Gorda, Chili.
Sipylite; Little Friar Mountain, Virginia, U.S.A.
Skogbölite; Skogböle, Finland.
Sphærocobaltite; Santa Rosalia, Mexico.
Sternbergite with Pyrargyrite; Joachimsthal, Bohemia.
Strigovite; Striegau, Silesia.
Tetragophosphite; Horrsjöberg, Sweden.
Tetrahedrite; Neudorf, Harz.
Tiemannite; Marysvale, Utah, U.S.A.
Tourmaline, long doubly terminated and parti-coloured crystals; Haddam, Connecticut, U.S.A.
Tridymite; Euganean Hills, Italy.
Uranospinite; Schneeberg, Saxony.
Urusite; Tscheleken Island, Caspian Sea.
Vanadinite; Yuma County, Arizona, U.S.A.
Wagnerite; Werfen, Tyrol.
Xiphonite; Aci Catena, Sicily.
Zeunerite; Schneeberg, Saxony.
Zircon, white pyramidal crystals in sanidine-bomb; Monte Somma, Vesuvius.

Of the above species the following were new to the Collection:—

Amphithalite, Andorite, Bixbyite, Bliabergite, Chondrostibian, Claudetite, Elfstorpite, Gersbyite, Gonnardite, Hamlinite, Kainosite, Kosmochlore, Loranskite, Melanostibian, Munkforssite, Munkrudite, Nantokite, Neotesite,

Nickel-skutterudite, Ransätite, Rhodophosphite, Strigovite, Tetragophosphite, Urusite, Xiphonite.

Rocks.

By Presentation:

Volcanic Bombs from the Schalstein of Nassau: by Professor E. Kayser, PH.D.

A series of specimens (with sections) of the deposits of the Nile Delta obtained during the boring operations at Zagazig, undertaken by the Royal Society: by the Royal Society (Delta Boring Committee).

A series of about 300 small specimens of rocks and minerals collected by Mr. W. M. Conway in the Karakoram Himalayas: by Sir H. Martin Conway.

A small collection of rock-specimens from the Plateaux of Nyika and Masuka Mountains, Nyasaland: by Sir Harry H. Johnston, K.C.B.

A large specimen of Contorted Mica-Schist; Aultnacallich Burn, Ross-shire: by W. C. Lucy, Esq., F.G.S.

Four hundred and seventy-two sections of rocks (mostly veinstones, elvans, greenstones and granites of Cornwall) from the collection of the late John Arthur Phillips, Esq.: by A. G. Phillips, Esq., F.G.S.

Twenty-seven large rock-specimens, mostly from Aberdeenshire: by Professor H. Alleyne Nicholson, M.D., F.G.S.

Specimens of Sordawalite; Sordawala, Finland: by E. L. V. Julin, Esq.

Three rock-specimens from the Transvaal: by D. Draper, Esq., F.G.S.

A collection of rock-specimens illustrating the geology of the Southern Transvaal: by Dr. F. H. Hatch, F.G.S.

A collection of rock-specimens, with associated minerals, from Siam: by the Royal Department of Mines and Geology, Bangkok, Siam (through H. Warington Smyth, Esq.).

By Purchase:

A series of over three hundred rock-specimens from Italian and Alpine localities, collected by Cavaliere G. P. Jervis of Turin to complete the series in the Museum collection formerly obtained from him.

Seventy-three polished slabs of modern marbles from Italy and Switzerland, and of antique marbles from the ruins of ancient Rome.

Forty-five rock-specimens from Bohemia.

A series (with sections) of Australian rocks collected and described by the late R. Daintree, Esq., F.G.S.

Meteorites.

By Presentation :

Cold Bokkeveldt, Cape Colony; fell 13th October 1838; a fragment weighing 21 grams: by Mrs. Whitewell, as a relic of her father, the late Mr. W. R. Birt, F.R.A.S.

Nawalpali, Central Provinces, India; fell 16th June 1890; a fragment weighing 21 grams: by the Director of the Geological Survey of India.

Barratta, New South Wales; a fragment weighing 46½ grams: by Professor A. Liversidge, F.R.S.

By Purchase:

Nocoleche, New South Wales; found in 1895; a slice weighing 687·5 grams.

Mooranoppin, W. Australia; a slice weighing 261·0 grams.

Locust Grove, N. Carolina, U.S.A.; found in 1857; a slice weighing 365·0 grams.

Forsyth County, Georgia, U.S.A.; found in 1891; a slice weighing 334·0 grams.

Cañon Diablo, Arizona, U.S.A.; a piece weighing 1535·0 grams and showing a partly enclosed diamond.

Roebourne, N. W. Australia; a slice weighing 1500·0 grams.

São Juliao de Moreira, Portugal; found in 1883; a slice weighing 745·0 grams.

Sacramento Mountains, New Mexico, U.S.A.; a piece weighing 8750·0 grams.

Arlington, Minnesota, U.S.A.; found March 1894; a fragment weighing 56·0 grams.

Mungundi, Queensland; a slice weighing 368·0 grams.

Thurlow, Ontario, Canada; found 12th May 1888; a slice weighing 189·0 grams.

Ngawi, Java; fell 3rd October 1883; a fragment weighing 52·0 grams.

Of the above meteorites, those of which the names are italicised were new to the collection.

4th January 1898. *L. Fletcher.*

Department of Botany.

During the past year 22,827 plants, consisting of 7,777 flowering plants, 4,880 Archegoniate plants, 6,022 Algæ, 3,425 Fungi, and 723 Lichens have been incorporated into the general Herbarium.

In the progress of the work the officers of the Department have been occupied as follows:—

Mr. E. G. Baker has been engaged in incorporating with the general Herbarium *Polypetalæ* from the Cape, collected by R. Schlechter, and from Australia, New Zealand, Thibet and Brazil by F. M. Bailey, T. Kirk, Capt. Cordeaux and H. Muir respectively. A portion of the collection made by Drége at the Cape has also been added. In conjunction with Mr. Britten, two pieces of work have been concluded during the year. The first was a revision of the *Leguminosæ*, gathered by Houstoun in Central America about the year 1730; and the second a comparison with types of the Cape species of *Crassula* contained in the Herbarium. The results in each case have been published. The Mascarene species of *Indigofera*, and the American species of *Kosteletzkya* have also received attention. These revisions have only been rendered possible, thanks to the kind loan of specimens by Prof. Perceval Wright, of Dublin; Prof. Bureau, of Paris; and Mr. J. N. Rose, of the National Museum, Washington. The British *Polypetalæ* received during the year have been incorporated, and the *Polypetalæ* collected by Mrs. E. Lort Phillips in Somaliland have been identified, and several new species described.

Mr. Britten's work in the general Herbarium has been chiefly connected with the *Rubiaceæ*, some tribes of which have been entirely re-arranged; additions have been made to most of the Monopetalous orders, and a number of plants from various collectors have been incorporated with the Herbarium. His principal work, however, has been in connection with the older Herbarium, such as the Sloane collection, the plants of Houstoun, Philip Miller, Walter, and others, and the earlier portions of the Banksian Herbarium. He has also exercised a general supervision over the Departmental Library and its Catalogue, and has formed one of the Committee appointed to prepare the Library Catalogue for the whole Museum. He has helped Mr. Hiern in the work of preparing for publication the Catalogue of the Welwitsch Herbarium, and has generally rendered assistance to others engaged in botanical research.

During the past year Mr. Rendle has devoted much time to the revision and re-arrangement of the tribes *Paniceæ* and *Andropogoneæ* of the order *Gramineæ*, necessitated by the

preparation of volume II. of the catalogue of Welwitsch's Angolan plants. Many new species have been described belonging to genera of those tribes, and are now ready for publication. He has also prepared for publication the material collected by Welwitsch belonging to the orders *Hæmodoraceæ, Iridaceæ, Amaryllideæ* and *Taccaceæ*. He has worked out the Monocotyledons, and the apetalous and some gamopetalous Dicotyledons of the collections made by Mrs. E. Lort Phillips in Somaliland, prepared a list and published the new genera and species; and has also worked out a small collection of plants from the Philippine Islands, collected by Mr. John Whitehead. He has given some time to the order *Palmeæ*, re-arranging one of the Palm Cases in the public gallery, and also revising the genus *Plectocomia*. He has also commenced the re-arrangement of the Orchids in accordance with Dr. Kränzlin's monograph of the order now in course of appearance. The plants of the following collections have been selected, laid out and incorporated with the Herbarium. Europe (Dörfler); Flora Polonica (Woloszczak); Persia (Bornmüller); Indian grasses (C. B. Clarke); Borneo (Creagh); Tropical Africa (Bates, Zenker, Scott Elliot); South Africa (Schlechter, Medley Woods); Mexico (Pringle); Costa Rica (Durand and Pittier). Schomburgk's Orchid drawings and part of the collection of Salisbury's MS. and drawings, have been arranged.

Mr. Gepp has continued to study critically the mosses collected in the British West Indies, and in connection with this work has revised the *Dicranaceæ, Bartramiaceæ*, and other orders. He has given much time to the separation, revision, and preparation for publication of the West African Mosses of the Welwitsch Herbarium. A further large portion, amounting to 3,000 specimens, of the Hepatics of the Stephani Herbarium, has been laid out and incorporated in the collection. And other additions amounting to 1,900 Mosses and 700 Lichens, and derived from various sources, such as the Herbaria of Shuttleworth, Wilson and Bloxam, and collections from Australia, Tasmania, New Zealand and Tropical Africa, have similarly been incorporated in the general collection.

Having received special leave of absence from the Trustees, Messrs. Murray and Blackman accepted the invitation of a sub-committee of the Government Grant Committee, to report on the phyto-plankton of the Atlantic, especially the region removed from coastal waters. They were absent on a voyage to the West Indies for this purpose, from 16th June to 7th August. In addition to determining the results of this voyage they have named large collections made by Capt. Milner, Capt. Rudge, and Capt. Tindall. Not only has fresh light been thrown on many obscure organisms by this work, but a large collection of them (including many new forms) has been obtained.

Mr. Blackman has, during the past year, been engaged in finishing the arrangement of the collection of drawings of British Fungi presented to the Museum by Mr. Wheeler. He has also determined and placed in the collection a number of rare microscopic Fungi, in part new to Britain, collected in the west of Scotland, and presented to the Museum by Mr. Boyd. The cases descriptive of Monocotyledons and Dicotyledons in the Index Museum are, under his direction, progressing towards completion, both by the addition of new specimens and the description of those already in position. The drawings exhibited in these cases representing the histological features of the chief organs of Dicotyledons and Monocotyledons have been considerably increased in number. In this work he has had the assistance of Mr. Lloyd Williams, Mr. Horrell, and Miss Mitchell.

In the public gallery the exhibition of British Fungi has been almost completed. Two cases have been added to the illustrations of adaptations of plant structures, the one dealing with fruit and seed dispersal, the other with parasitic flowering plants. A magnificent specimen of *Cycas revoluta*, presented by Horace Mann, Esq., Chapelton, Jamaica, has been placed in the gallery.

A collection of plants, 433 in number, made in Somaliland by Mrs. E. Lort Phillips and presented by her, has proved to be of singular interest and novelty. Papers by the officers of the department describing the collection have already been published.

Throughout the year Capt. W. Haultain Milner has collected phyto-plankton from mid Atlantic with great zeal, and has presented a large number of gatherings to the Museum.

The other addition to the collections by presentation, have consisted of :—162 Bornean plants by Governor Creagh, C.M.G.; 160 Bornean Plants by Dr. G. Haviland; 681 Idaho Plants by the United States National Museum; 75 Canadian plants by Dr. Macoun; 75 West Tropical African Plants by R. Webb, Esq.; 21 Australian Plants by Miss J. L. Hussey; 35 Thibetan Plants by Capt. Cordeaux; 136 Jamaican Flowering Plants and 55 Cryptogams by the Hon. W. Fawcett; 150 Philippine Flowering Plants and two Fungi by John Whitehead, Esq.; 58 European Plants by Arthur Bennett, Esq.; 87 New Zealand Flowering Plants and three Fungi by T. Kirk, Esq.; 133 Australian Plants by F. M. Bailey, Esq.; 26 Orchids and 1 Conifer by Messrs. Veitch; 3 Orchids by Messrs. Lowe; 8 Orchids by Messrs. Sander; 2 Orchids by Messrs. Williams; 2 Orchids by F. W. Moore, Esq.; 5 Orchids by Sir Trevor Lawrence; 1 Orchid by Messrs. Measures; 1 Orchid by E. Ashworth, Esq.; 1 abnormal Orchid by H. Druce, Esq.; 9 Conifers by Dr. Masters, F.R.S.; 38 Australian, Indian and Cape Algæ by Dr. Braithwaite; 150 Indian Cryptogams by J. F. Duthie Esq.; 100 Tasmanian Mosses and 1 Flowering Plant by W. A. Weymouth, Esq.; 2 specimens of Allium by

F. H. Perry Coste, Esq.; 50 North American Mycetozoa by Professor F. L. Harvey; 1 type specimen of a Minnesota Moss with description and plate by the author, J. M. Holzinger, Esq.; 21 Ceylon Cryptogams by Mrs. Rose Boughton Leigh; 42 Marine Algæ from Western Australia by J. Markwell, Esq.; and single specimens by E. R. Woakes, Esq., W. S. Dun, Esq., Prof. L. H. Bailey, Dr. W. Newton, Lieut.-General Godfrey, F. Townsend, Esq., Colonel Feilden, H. Fisher, Esq., and — Ginnis, Esq.

The following additions have been made by presentation to the British Herbarium :—44 Plants by Arthur Bennett, Esq.; 12 packets of Seeds by Clement Reid, Esq.; 6 Plants by Rev. E. F. Linton; 2 rare Mosses and 1 Liverwort by James Saunders, Esq.; 5 Slides of Fungi by C. Jenkin, Esq.; 92 Scottish Fungi by D. A. Boyd, Esq.; 2 Liverworts by M. B. Slater, Esq.; 5 Mosses by H. W. Monington, Esq.; and single specimens by Cedric Bucknall, Esq., R. F. Towndrow, Esq., H. C. Churton, Esq., Dr. R. Braithwaite, Greenwood Pim, Esq., W. C. Crawford, Esq., J. C. Mansel-Pleydell, Esq., George Brebner, Esq., G. S. Boulger, Esq., J. B. Carruthers, Esq., and Master N. K. Smith.

The following additions have been made by exchange of duplicates :—78 North American Carices from Professor L. H. Bailey; 798 Indian Plants from Sir George King, K.C.S.I.; 99 Brazilian Flowering Plants and 384 Cryptogams from Africa, Asia and South America, from the Director of the Royal Botanical Museum, Berlin.

The following specimens have been acquired by purchase :—

1,010 South African Plants by R. Schlechter; 1,180 Costa Rica plants by Durand and Pittier; 224 Phanerogams and 55 Cryptogams from Persia by Bornmüller; 100 Phanerogams from Poland by Woloszczak; 110 Californian plants, by Parish; 438 Phanerogams, 28 Cryptogams, and 40 wood specimens from West Africa by Zenker; 100 specimens of Koehne's Herb. Dendrologicum; 300 European plants by Schultz; 300 Mexican plants by Pringle; 100 Gaboon plants by Bates; 100 Greek plants by Heldreich; 50 Swedish plants by Tiselius; 700 plants from Asia Minor by Siehe; 158 Natal plants by Wood; 270 Phanerogams and 7 Cryptogams from New Mexico by Heller; 545 Orchids with sketches by Weathers; 150 North American Algæ by Collins, Holden and Setchell; 200 North American Fungi by Ellis and Everhart; 250 Fungi by Sydow; 172 North American Sphagna by Eaton and Faxon; 250 North American Lichens by Cummings, Williams and Seymour; 200 American Algæ by Tilden; 50 Algæ from Florida by Curtis; 50 Colorado Mosses by Holzinger; 275 Cryptogams from Newfoundland and Labrador by Waghorne; 100 Saxon Fungi by Krieger; 25 Parasitic Fungi by Briosi and Cavara; 200 fresh-water Algæ by Wittrock, Nordstedt and Lagerheim; 100 South

European Mosses by Fleischer and Warnstorf; 342 Cryptogams by Brunnthaler; 50 Characeæ by Migula, Sydow, and Wahlstedt; 275 French Mosses by Husnot.

The following additions have been made by purchase to the British Herbarium :—

Fifty Plants (*Rubi* and *Hieracia*) by Linton; 112 Mosses, by Howie; 40 Lichens by Johnson; 100 Mosses by Benson; 25 Marine Algæ by Holmes.

The additions by purchase to the collection of drawings of plants include drawings by Lindley, W. G. Smith, Prof. C. Stewart, and P. Highley.

The following works have been presented to the Library of the Department :—

New Commercial Plants, No. 12, by the author, Thomas Christy, Esq.; Cyperaceæ and Gramineæ, by the author, Dr. F. Kurtz; Bulletin Mensuel, Nos. 152–159, by the Linnean Society of Paris; 3 Pamphlets on Canadian Plants by James M. Macoun, Esq.; A. Whyte's Report on Botanical aspects of British Central Africa by the Foreign Office; Extracts (botanical) from "Karpathos," by Mr. O. Thomas; The Flora of Llanbrynman, by Miss Roberts. Liste des Plantes recoltées par les Princes Démètrie and Nicolas Ghika-Comanesti dans la pays des Somalis by Mons. J. V. Socecù; Richard Deakin's Botanist's Manual, by Mr. C. O. Waterhouse. Report of the Botanical Exchange Club for 1895, by Charles Bailey, Esq., F.L.S.; Journal of the Kew Guild for 1895, 1896, 1897, by W. Watson, Esq.; Companion for Queensland Student of Plant Life, by F. M. Bailey, Esq., F.L.S., by the Under Secretary for Agriculture, Brisbane. Report of Botanical Work in Minnesota in 1886 and Flora of Minnesota, by the Geological and Natural History Survey of Minnesota. Botanical Observations on the Azores, by Prof. Trelease; Rundgang der Bot. Garten zu Berlin, by Dr. P. L. Sclater; Catalogue of Plants growing in his garden, by Thomas Hanbury, Esq.; Rev. E. D. Heathcote's Flowers of the Engadine, by the Dowager Lady Heathcote; Diary of John Goldie (1819), by John Goldie, Esq. Eighth Report of the Missouri Botanic Garden, by the Director, Prof. W. Trelease. Parts 23 and 24 of Flora of British India, and Report of Director of Botanical Survey of India for 1896, by the India Office; The Young Shetlander (Life of Thomas Edmonston), by Mr. Britten; 6 pamphlets from Sir George King, K.C.S.I.; 30 descriptions and figures in slip of new or noteworthy plants from the Gardeners' Chronicle, by Dr. M. T. Masters, F.R.S.; Pamphlet by Dept. of Agriculture, Washington, U.S.A.; 2 Pamphlets by Herr F. Stephani; Barnes and Heald's Analytic Keys to the Genera and Species of North American Mosses, by Mr. Gepp. E. A. Allom's "The Seaweed Collector," by Mr. B. B. Woodward. D. C. Danielsson's "Planteparasitære Hudsygdomme," from the Bergen Museum. H. N. Dixon's Handbook Catalogue and Label List of

British Mosses, by the publisher; Pamphlet by the Agricultural Experiment Station, Alabama, U.S.A. 2 Pamphlets by the author, Dr. G. N. Best; Pamphlet by W. S. Dun, Esq.; Transactions of the British Institute of Preventive Medicine (from the Institute). The Garden, by W. Robinson, Esq.; Pharmaceutical Journal, by the Pharmaceutical Society; Journal of the Royal Horticultural Society, by the Society; Quarterly Record of the Royal Botanic Society, by the Society; Bulletin of the Botanical Department, Jamaica, by the Director; Bulletin of Miscellaneous Information, by the Director of the Botanic Gardens, Trinidad; Queensland Agricultural Journal, by the Secretary of Agriculture, Brisbane; Bulletins of the Department of Agriculture and Contributions to the National Museum, by the United States Department of Agriculture; The Plant World, by F. H. Knowlton, Esq.; Contributions to the Botanical Laboratory of the University, Pennsylvania, by the University Committee on Publications; Minnesota Botanical Studies, by Prof. Conway Macmillan; Nederlandsche Kruidkundig Archief, by the Nederlandsche Botanische Vereeniging, Nijmegen; Notizblatt d. K. Bot. Gartens und Museums, Berlin, by the Director; Bulletin Mensuel, by the Linnean Society of Paris.

The following publications relating to the collections have appeared during 1897:—

By Mr. Murray.

On the reproduction of some Marine Diatoms (Proc. Roy. Soc., Edin., vol. xxi.).

Report of observations on Plant Plankton (Report of Fishery Board for Scotland).

Coccospheres and Rhabdospheres (Nature). (With Mr. Blackman.)

By Mr. Britten.

Notes on *Pentas*. Journal of Botany, 1897.

Notes on *Myrmecodia*. *Ibid.*

Houstoun's Central American *Leguminosæ*. *Ibid.* (With Mr. Baker.)

Notes on *Naucleæ*. *Ibid.*

Note on *Primula sinensis*. *Ibid.*

Notes on *Crassula*. *Ibid.* (With Mr. Baker.)

By Mr. Baker.

Notes on Thespesia. (Journal of Botany, 1897.)

On Plantago Coronopus, var. ceratophyllon. (Proc. Dorset Nat. Hist. and Ant. Soc., 1897.)

A new Genus of Tree Mallow. (With Mr. J. N. Rose.) (Garden and Forest, 1897.)

By Mr. Rendle.

Note on Swartz's "Prodomus." Journal of Botany, 1897.
Note on *Plectocomia Griffithii*. *Ibid.*
New and interesting *Acanthaceæ* from Somaliland. *Ibid.*

Welwitsch's African Fresh-water Algæ by Messrs. W. and G. S. West. Journal of Botany, 1897.
Welwitsch's African Marine Algæ by Miss E. S. Barton. *Ibid.*
Notes on Mycetozoa by Arthur Lister, Esq. *Ibid.*

The number of visitors to the Herbarium for research and consultation during the year has been 2,718.

George Murray.

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